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About Us

Jenco was founded by Mr. John Jen more than 40 years ago on the idea that innovative water quality instruments should be available at competitive prices. Today, that idea is prevalent in all the products we manufacture, which now span pH, ORP, conductivity, dissolved oxygen, ion and temperature instruments for field, laboratory and industrial applications.

Jenco products are manufactured in its ISO:9001 and RoHS compliant certified facility and distributed worldwide by our dedicated distribution partners.



Pocket Testers

pH610/620D/Conductivity110/111/112/113/115

Features

- ⌘ LCD display.
- ⌘ 1 or 2 point calibration.
- ⌘ Readings are automatically compensated for temperature (ATC).
- ⌘ Low cost.



Specifications		
	610	620D
Range	0.0 ~ 14.0pH	
Resolution	0.1pH	
Accuracy	± 0.1pH	± 0.2pH
Calibration	1 point	2 point
pH Temp Compensation	/	Auto from 0.0 to 60.0
Other		
Display	LCD	
Power	LR44 x 4	
Battery Life	1000 hours	400 hours
Dimensions	15.0cm x 3.2cm x 1.5cm	
Weight	55 grams	60 grams

Specifications					
	110	111	112	113	115
Range	10~1990uS/cm	0.1~19.9mS/cm	1~199uS/cm	10~1990ppm	0.0~99.9uS/cm
Resolution	10uS/cm	0.1mS/cm	1uS/cm	10ppm	0.1uS/cm
Accuracy	±2%				
Calibration	1 point				
Temp Compensation	Auto from 5.0 to 55.0				
Other					
Display	LCD				
Power	LR44 x 4				
Battery Life	200 hours				
Dimensions	15.0cm x 3.2cm x 1.5cm				
Weight	60 grams				

pH/Temp Pocket Tester VisionPlus pH618N

Features

- ⌘ Clear graphic LCD displays pH and temperature at the same time.
- ⌘ 50 memory storage of both pH and temperature reading with memory location ID and date and time stamp.
- ⌘ 1, 2 or 3 point calibration, dual buffer set recognition of US and NIST buffer sets.
- ⌘ Readings are automatically compensated for temperature (ATC).
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ IP67 waterproof housing.
- ⌘ Battery life over 300 hours.
- ⌘ Low battery indicator.
- ⌘ RoHS compliant.



Specifications

Range	pH	0.00~14.00pH
	Temp (factory set)	0.0~99.9 / 32.0~211.8
Resolution	pH	0.01pH
	Temp (factory set)	0.1 / 0.2
Accuracy	pH	±0.02pH±1digit
	Temp (factory set)	±0.3 / ±0.6
pH Temp Compensation		0.0 to 99.9
pH Buffer Recognition		US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18)
Buffer Temp. Range		0 to 60
pH Calibration		1, 2 or 3 point calibration.
pH Electrode Offset Recognition		±90mV at pH 7.00 / ±98.3mV to -81.7mV at pH 6.86
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 / 10.01
Input Impedance		>10 ¹³ Ω
Display		98 x 64 graphical LCD
Power		LR44 x 4 batteries
Memory Storage		50 sets with date/time ID stamp
Battery Life		>300 hours
Auto Power Off		After 10 minutes of inactivity
Case		IP-67 waterproof
Weight / Dimensions (W x D x H)		105 grams (Including batteries) / 193mm x 44mm x 25mm

Accessories

618P	pH electrode module
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ORP/Temp Pocket Tester

VisionPlus ORP628N

Features

- ⌘ Clear graphic LCD displays ORP and temperature at the same time.
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ IP67 waterproof housing.
- ⌘ Battery life over 300 hours.
- ⌘ Low battery indicator.
- ⌘ 50 memory storage of both ORP and temperature reading with memory location ID and date and time stamp.
- ⌘ RoHS compliant.



Specifications

Range	ORP	-1100~+1100mV
	Temp (factory set)	-10.0~100.0 / 14.0~212.0
Resolution	ORP	1mV
	Temp (factory set)	0.1 / 0.2
Accuracy	ORP	± 1mV±1 digit
	Temp (factory set)	± 0.3 / ± 0.6
Relative ORP calibration range		User programmable from -999 to +999mV
Ambient temperature range		0.0 to 50.0
Display		98 x 64 graphical LCD
Power		LR44 x 4 batteries
Memory Storage		50 sets with date/time ID stamp
Battery Life		>300 hours
Auto Power Off		After 10 minutes of inactivity
Case		IP-67 waterproof
Weight / Dimensions (W x D x H)		105 grams (Including batteries) / 193mm x 44mm x 25mm

Accessories

628P	ORP electrode module
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pH/Temp Pocket Tester VisionPlus pH619

Features

- ⌘ Clear graphic LCD displays pH and temperature at the same time.
- ⌘ 1, 2 or 3 point calibration, dual buffer set recognition of US and NIST buffer sets.
- ⌘ Readings are automatically compensated for temperature (ATC).
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ IP67 waterproof housing.
- ⌘ Battery life over 300 hours.
- ⌘ Low battery indicator.
- ⌘ RoHS compliant.

New



Specifications

Range	pH	0.00~14.00pH
	Temp (factory set)	0.0~99.9 / 32.0~211.8
Resolution	pH	0.01pH
	Temp (factory set)	0.1 / 0.1
Accuracy	pH	±0.02pH±1digit
	Temp (factory set)	±0.3 / ±0.6
pH Temp Compensation		0.0 to 99.9
pH Buffer Recognition		US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18)
Buffer Temp Range		0 to 60
pH Calibration		1, 2 or 3 point calibration.
pH Electrode Offset Recognition		±90mV at pH 7.00 / ±98.3mV to -81.7mV at pH 6.86
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 / 10.01
Input Impedance		>10 ¹³ Ω
Display		98 x 64 graphical LCD
Power		LR44 x 4 batteries
Battery Life		>300 hours
Auto Power Off		After 10 minutes of inactivity
Case		IP-67 waterproof
Weight / Dimensions (W x D x H)		105 grams (Including batteries) / 193mm x 44mm x 25mm

Accessories

618P	pH electrode module
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pH/Temp Pocket Testers VisionPlus pH630

Features

- ⌘ Large display screen- displays pH and temperature at the same time.
- ⌘ 1, 2 or 3 point calibration, dual buffer set recognition of US and NIST buffer sets.
- ⌘ Readings are automatically compensated for temperature (ATC).
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ IP67 waterproof housing.
- ⌘ Battery life over 300 hours.
- ⌘ Low battery indicator.
- ⌘ RoHS compliant.



Specifications

Range	pH	0.00~14.00pH
	Temp (factory set)	-9.9~99.9 / 14.2~99.9 , 100~212
Resolution	pH	0.01pH
	Temp (factory set)	0.1 / 0.2 , 1
Accuracy	pH	± 0.02pH±1digit
	Temp (factory set)	± 0.3 / ±0.6 , ±1
pH Temp Compensation		-9.9 (14.2 to 99.9 (212
pH Buffer Recognition		US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18)
Buffer Temp Range		0 to 60
pH Calibration		1, 2 or 3 point calibration.
pH Electrode Offset Recognition		±100mV at pH 7.00 / ±108.3mV to -91.7mV at pH 6.86
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 / 10.01
Input Impedance		>10 ¹³ Ω
Display		LCD
Power		LR44 x 4 batteries
Battery Life		>300 hours
Auto Power Off		After 10 minutes of inactivity
Case		IP-67 waterproof
Weight / Dimensions (W x D x H)		105 grams (Including batteries) / 193mm x 44mm x 25mm
Accessories		
618P		pH electrode module

pH/EC/TDS/Salt/Temp Tester pH/EC80

Features

- ⌘ Simultaneously measures pH, Conductivity, TDS Salinity and temperature without switching probe.
- ⌘ Graphic LCD display.
- ⌘ Auto temperature compensation.
- ⌘ Switches between °C and °F.
- ⌘ Auto shut down feature.
- ⌘ Replaceable pH/Conductivity electrode module.
- ⌘ 50 sets of data memory.
- ⌘ IP67 waterproof.
- ⌘ Battery life >100hrs.
- ⌘ CE approved and RoHS complian.



Specifications			
Parameters	Range	Resolution	Accuracy
pH	0.00~14.00	0.01	±0.01pH
Conductivity	0uS/cm~20.00mS/cm	1uS/0.01mS	±1%FS
	0uS/cm~1999uS/cm	2.00mS/cm ~20.00mS/cm	
TDS	0mg/L~20.00g/L	1mg/L/0.01g/L	±1%FS
	0mg/L~1999 mg/L	2.00g/L ~20.00g/L	
Salinity	0.00~10.0ppt	0.1ppt	±1%FS
Temperature	-5.0~60.0 °C	0.1 °C	±0.5 °C
	23~140 °F	0.1 °F	±0.9 °F

General	
pH calibration	1, 2 and 3 point calibration. Uses USA and NIST buffer sets.
Conductivity calibration	1 point calibration
Temperature compensation range	-5.0~60.0 °C
Reference temperature	15 °C~25 °C
Temperature coefficient	0.00~4.00%. Default at 1.91%/ °C
TDS constant	0.30~1.00. Default at 0.65
Temp sensor	Thermistor, 10k ohms, at 25 °C
Temp unit	°C and °F
Display	Graphic LCD
Storage of calibration data	Yes
Data memory storage	50 sets
Auto shutoff	After 10 minutes of inactivity.
Power	4 x LR-44 batteries
Working environment	0~50 °C, relative humidity<95%
Dimensions	200 × 44 × 25mm
Weight	About 110g (excluding batteries)

Accessories	
80P	Replaceable pH/Cond electrode module.

pH/mV/Temp Benchtop Meter 6173/6173R

Features

- ⌘ Clear LCD displays pH or mV, simultaneously with temperature.
- ⌘ Convenient calibration with automatic buffer recognition of US And European buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Automatically / manual compensated for temperature.
- ⌘ Automatic lock mode and end point sensing are available to lock in stable readings.
- ⌘ RS-232 computer interface with software.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Range	pH	-6.00~20.00pH
	mV	-2000~+2000mV
	Temperature	-10.0~120.0
Resolution	pH	0.01pH
	mV	1mV
	Temperature	0.1
Accuracy	pH	±0.01pH
	mV	±0.05%FS
	Temperature	±0.3
pH Buffer Recognition		US (4.01, 7.00, 10.01) and NIST (4.00, 6.86, 9.18), user selectable.
pH Electrode Offset Recognition		±90mV at pH 7.00 or 6.86.
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 or 10.01.
Temperature Compensation		Auto / manual -10.0~120.0 .
Input Impedance		>10 ¹³ ohms.
RS232		6173R Only
Power		6 X 1.5 Volt AA batteries or 115 / 230V AC adaptor.
Operating Ambient Conditions		From 0~50 , at 90% RH.
Weight / Dimensions		650 grams (Including batteries) / 165mm x 230mm x 80mm

Accessories

600P	pH, reference electrode with BNC connector.
6230AST	Stainless steel, thermistor 10 K ohms, 8 PIN connector.
6007D115	115V AC adaptor.
6007D230	230V AC adaptor.
007N	Electrode holder arm.

pH/mV/Ion/Temp Benchtop Meter VisionPlus pH6175

Features

- ⌘ Large LCD displays pH / ORP and temperature readings simultaneously with backlight.
- ⌘ Dual buffer set selection: (4.01, 7.00, 10.01) or (4.00, 6.86, 9.18).
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ Resolution to 0.1mV for Ion measurement.
- ⌘ Automatic / manual temperature compensation.
- ⌘ Automatic lock mode and end point sensing are available to lock in stable readings.
- ⌘ AC adaptor or battery power (low battery indicator).
- ⌘ IP54 waterproof housing.
- ⌘ RoHS compliant.



Specifications

Range	pH	0.00~14.00pH
	mV	-1999.9 ~ +1999.9mV
	Temperature	0.0~100.0
Resolution	pH	0.01pH
	mV	0.1mV
	Temperature	0.1
Accuracy	pH	±0.01pH
	mV	±0.4mV (-1500.0~1500.0); ± 1mV (-1999.9~-1500.0 and 1500.0~1999.9)
	Temperature	±0.2
pH Buffer Recognition		US (pH4.01, 7.00, 10.01) or NIST (pH4.00, 6.86, 9.18), user selectable.
Buffer Temp range		0.0~60.0
pH Calibration		1, 2 or 3 point calibration.
pH Electrode Offset Recognition		±1.50 pH
pH Electrode Slope Recognition		±30% at pH4.00, 4.01, 9.18 or 10.01.
pH Temp Compensation		Auto / manual 0.0~100.0 .
Input Impedance		>10 ¹³ ohms.
Power		6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.
Operating Ambient Conditions		From 0~50 , at 90% RH.
Case		IP-54 waterproof
Weight / Dimensions		504 grams (Including batteries) / 150mm x 203mm x 72mm

Accessories

6005P	pH, temperature, reference electrode with BNC and 8 PIN connector.
GB700E	pH, reference electrode with BNC connector.
6230AST	Temperature electrode with 8 PIN connector.
6007D115	115V AC adapter.
6007D230	230V AC adapter.
007N	Electrode holder arm.

Basis 6177

pH/mV/Temp
Benchtop
Meter



Introduction

The Basis Series pH/mV/temperature benchtop meter contains the same ease-of-use and accurate readings of its popular predecessor, but is now in a streamlined form factor that is similar to that of the Stream Series.

Features

Large, high contrast, backlit LCD displays pH/mV and temperature simultaneously

Simple calibration with automatic buffer recognition of US and European buffer sets

Calibration data is stored in memory and is ready for use on power up

Automatic / manual temperature compensation

Automatic lock mode and end point sensing lock in stable readings

AC adaptor or battery power with low battery indicator



Specifications

pH Range	-2.00 ~ 16.00pH
mV Range	-1999.9 ~ +1999.9 mV
Temperature Range	0.0 ~ 100.0 °C
pH Resolution	0.01 pH
mV Resolution	0.1 mV
Temperature Resolution	0.1 °C
pH Accuracy	±0.01 pH
mV Accuracy	±0.05% ± 1 digit
Temperature Accuracy	±0.2 °C
pH Buffer Recognition	US (pH 4.01, 7.00, 10.01) or NIST (pH 4.00, 6.86, 9.18), user selectable
pH Electrode Offset Recognition	±1.50 pH
pH Electrode Slope Recognition	±30 %
pH Temperature Compensation	Automatic / manual 0.0 ~ 100.0 °C
Input Impedance	>10 ¹⁵ ohms
Operating Ambient Conditions	From 0 ~ 50 °C, at 90 % RH
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter
Weight / Dimensions	430 grams/ 150 mm x 210 mm x 45 mm

Accessories

Contact Jenco for complete list of accessories

6005P (Intl.)	pH, temperature, reference electrode with BNC and 8 PIN connector
6000P (US)	pH, temperature, reference electrode
6005C	Electrode cable, 4-Pin to BNC & 8-Pin DIN
600P	pH, reference electrode with BNC connector
6230AST	Temperature electrode with 8 PIN connector
6230D115	115V AC adapter
6230D230	230V AC adapter
007N	Electrode holder arm

pH/ORP/Temp Portable Meter 6010N/6010M

Features

- ⌘ Simultaneous displays pH or mV and temperature.
- ⌘ 50 data set reviewable memory (6010M only).
- ⌘ Convenient calibration with automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and ready for use on power up.
- ⌘ Automatic or manual temperature compensation.
- ⌘ Automatic lock mode and end point sensing are available to lock in stable readings.
- ⌘ Automatic shutoff function (30 minutes of non-use).
- ⌘ Battery life over 1000 hours.
- ⌘ IP65 waterproof
- ⌘ Low battery indicator.
- ⌘ RoHS and CE compliant.



Specifications

Range	pH	-2.00~16.00pH
	mV	-1999~+1999mV
	Temperature	-10.0~120.0
Resolution	pH	0.01pH
	mV	1mV
	Temperature	0.1
Accuracy	pH	±0.01±1digit
	mV	±0.1%
	Temperature	±0.5
pH Buffer Recognition		US (4.01, 7.00, 10.01) and NIST (4.00, 6.86, 9.18), user selectable.
pH Electrode Offset Recognition		±90mV at pH 7.00 or 6.86.
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 or 10.01.
pH Calibration		2 point
pH Temp Compensation		Auto / manual -10.0~120.0
Input Impedance		>10 ¹³ ohms.
Power		9Volt battery.
Operating Ambient Conditions		From 0~50 , at 90% RH.
Weight / Dimensions		260grams (including battery) / 70mm x 198mm x 37mm

Accessories

6003P	PC, pH, reference, temperature electrode w/ 10K ohms thermistor, BNC and ATC connector and 1m cable.
600P	PC, pH, reference electrode w/ BNC connector and 1m cable.
6000AST	Stainless steel temperature sensor w/ 10K ohms thermistor, ATC connector and 1m cable.
GB700E	Glass, pH, reference electrode w/ BNC connector and 1m cable.
600L-ORP	Glass, ORP, reference electrode w/ platinum ring, BNC connector and 1m cable.
600S-ORP	Epoxy, ORP, reference electrode w/ platinum tip, BNC connector and 1m cable.
pH buffer	4.00, 6.86 and 9.18; 4.01, 7.00 and 10.00 buffer
Carry case	Hard carrying case w/ 4.00 and 6.86 buffer and three 100ml buffer bottles.

pH/ORP/Temp Portable Meter VisionPlus pH6810

Features

- ⌘ Simultaneous display of pH or ORP and temperature measurements.
- ⌘ Automatic temperature compensated (ATC) pH readings.
- ⌘ 1, 2 or 3 point pH calibration, electrode efficiency display.
- ⌘ End point sensing and hold.
- ⌘ Dual buffer set selection: (4.01, 7.00, 10.01) or (4.00, 6.86, 9.18).
- ⌘ Automatic or manual temperature compensation.
- ⌘ Low battery indicator.
- ⌘ IP67 waterproof housing.
- ⌘ Rugged rubber shockproof protective boot provides extra protection in the field.
- ⌘ RoHS compliant.



Specifications

Range	pH	-2.00~16.00pH
	ORP	-1999~+1999mV
	Temperature	-10.0~120.0
Resolution	pH	0.01pH
	ORP	1mV
	Temperature	0.1
Accuracy	pH	±0.1%FS±2 digits
	ORP	±0.1%FS±2digits
	Temperature	±0.3 ±1 digits
pH Electrode Offset Recognition		±90mV
pH Electrode Slope Recognition		±30%
Electrode Input Impedance		>10 ¹² Ω
Electrode Type		3-in-1 pH / Reference / Temperature electrode
ATC		Thermistor, 10KΩ at 25
Calibration Backup		Yes
Temperature Compensation		Automatic or Manual
Display		Large LCD
Power		4 X 1.5 Volt AAA batteries
Auto Power Off		After 20 minutes of inactivity
Battery Life		>1000 hours
Ambient Temperature Range		From 0~50
Case		IP-67 waterproof with rubber shockproof protective boot.
Weight / Dimensions (W x D x H)		230 grams (Including batteries) / 75mm x 157mm x 35mm
Accessories		
6810NP		pH / Temperature / Reference electrode with BNC and Mini 6 DIN connector

pH/mV/Temp Portable Meter 6230M

Features

- ⌘ Clear LCD displays pH or mV, simultaneously with temperature.
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ Automatically / manual compensated for temperature .
- ⌘ 1, 2 or 3 point calibration.
- ⌘ Inclined back provides ideal viewing angle for benchtop use.
- ⌘ 40 memory storage of pH or mV with temperature reading with memory location ID.
- ⌘ RS-232 computer interface with software.
- ⌘ IP65 waterproof.
- ⌘ AC adaptor or battery power (low battery indicator).



for use on power up.



Specifications

Catalog number	6230M	
Range	pH	-2.00~16.00pH
	mV	-1999~+1999mV
	Temperature	-10.0~120.0
Resolution	pH	0.01pH
	mV	1mV
	Temperature	0.1
Accuracy	pH	±0.01pH
	mV	±0.05%FS
	Temperature	±0.3
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18, model 623xxC), factory pre-set.	
pH Electrode Offset Recognition	±90mV at pH 7.00 or 6.86.	
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.	
Temperature Compensation	Auto / manual -10.0~120.0 .	
Input Impedance	>10 ¹³ ohms.	
Output / Memory Storage	RS232 / 40 sets	
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions	430 grams (Including batteries) / 83mm x 241mm x 71mm	

Accessories

6005P	pH, temperature, reference electrode with BNC and 8 PIN connector.
6007D115	115V AC adapter.
6007D230	230V AC adapter.

pH/mV/Temp 2-Wire Transmitter 6TX

Features

- ⌘ Clear LCD displays pH or mV, simultaneously with temperature.
- ⌘ Automatic buffer recognition of US and NIST buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Isolated and reversible 4-20 mA current output for pH or ORP allows It to be used as a proportional output.
- ⌘ Auto or Manual Temperature Compensation.
- ⌘ IP65



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.01pH±1 digit
mV	-1000~+1000mV	1mV	±1mV
Temperature	-10.0~120.0	0.1	±0.3
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18) user selectable.		
pH Electrode Offset Recognition	±90mV.		
pH Electrode Slope Recognition	±30%.		
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm / Resistor, Balco 3 k ohm / PT-1000 / PT-100) or Manual.		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Power	12~36V DC		
Ambient Temperature Range	From 0~50 .		
Weight / Case	600 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-9 TH	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-200-00	Waterproof enclosures

pH Industrial Online Transmitter 692

Features

- ⌘ Clear LCD displays pH.
- ⌘ Isolated 4-20 mA output over 0-14 pH.
- ⌘ Easy to install.
- ⌘ 1/8 DIN aluminum case.



Specifications

	Range	Resolution	Accuracy
pH	0.00~14.00pH	0.01pH	±0.1%±1 digit
Temperature Compensation	Auto 0.0~100.0 (RTD, PT-100).		
Input Impedance	>10 ¹³ ohms.		
Current Output Range	4 to 20 mA (isolated).		
Maximum Load	550 ohm.		
Isolation Voltage	500V DC.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	650grams / 1/8 DIN aluminum case.		

Accessories

IP-600-9PT	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-200-00	Waterproof enclosures

pH Industrial Online Controller/Transmitter 3621/3631

Features

- ⌘ Easy to install 1/8 DIN plastic casing.
- ⌘ Clear LCD displays pH, mV or temperature with backlight.
- ⌘ Universal power supply input from 100-240VAC.
- ⌘ Automatic buffer recognition of US and NIST buffer sets. Calibrated data is stored in memory and ready to for use on power up.
- ⌘ Automatic or manual temperature compensation.
- ⌘ Displays absolute and relative ORP.
- ⌘ Two sets of programmable on/off relays for pH or ORP (3621).
- ⌘ Isolated and reversible 4-20mA current output for pH or ORP allows it to be used as a proportional output (3631).
- ⌘ RoHs compliant.



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.1%±1 digit
mV (absolute / relative)	-1999~+1999mV	1mV / 1mV	±0.1%±1 digit
Temperature	-10.0~120.0	0.1	±0.3
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
Temperature Compensation	Manual / Auto -10.0~120.0 (Thermistor, 10K ohm / PT-1000).		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Control Type / Relay Output (3621)	2 ON/OFF controls /5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Current Output Range / Scale(3631)	4 to 20 mA (isolated) / Liner		
Maximum Load	500 ohm		
Isolation Voltage	500 VDC		
Display	LCD, with backlighting.		
Power	100~240VAC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Case	1/8 DIN case, 90mm depth.		

Accessories

IP-600-10	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 20 m cable).
IP-600-9 TH	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
IR-500-8	For wastewater (ORP glass electrode, PPS housing, NPT3/4" thread, 5 m cable).
009A	Protective submersion housing.
012-150-00	Waterproof enclosures

Two wire Inline pH Transmitter pH 3900

Features

- ⌘ Clear LCD displays pH.
- ⌘ Isolated 4-20 mA current output for pH.
- ⌘ Wide range power supply, 11 to 50V DC.
- ⌘ Automatic temperature compensation.
- ⌘ Easy to install for wall setting.
- ⌘ IP65 watertight casing.
- ⌘ Isolated two wire 4~20mA.



Specifications

pH Range	0.00~14.00pH
pH Resolution	0.01pH
pH Accuracy	±0.02pH
pH calibration	2 point calibration, manual
pH buffer types	US (4.01, 7.00, 10.0) or NIST (4.00, 6.86, 9.18)
Temperature compensation	Auto -0~120 °C (PT100)
Current output	One 4 ~20mA (isolated)
Load	550Ω
Power	11~50VDC

Accessories

IP-600-9PT	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 meters cable, with temperature thermistor)
IP-600-10	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 20m cable)

pH/mV/Temp Industrial Online Controller 3671

Features

- ⌘ LED displays pH or mV and press "TEMP" key reading temperature.
- ⌘ Automatic temperature compensation for pH, 0 to 100 .
- ⌘ Internal pH/ORP select switch.
- ⌘ Set points on front panel.
- ⌘ Easy to install.
- ⌘ 1/8 DIN aluminum case.



Specifications

	Range	Resolution	Accuracy
pH	0.0~14.0pH	0.1pH	±0.1pH
mV	-1990~+1990mV	10mV	±0.1%
Temperature	0~100	1	±1
Temperature Compensation	Auto 0~100 (RTD, PT-100).		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Control Type	2 ON/OFF controls		
Relay Output	8A at 115V AC or 4A at 220V AC, resistive load only.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	690 grams / 1/8 DIN aluminum case.		

Accessories

IP-600-9 PT	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-200-00	Waterproof enclosures

pH/mV Advance Industrial Online Controller 3675

Features

- ⌘ Large LCD displays pH or mV.
- ⌘ Isolated 4-20 mA output.
- ⌘ Automatic temperature compensation for pH, 0 to 100 .
- ⌘ Internal pH/ORP select switch.
- ⌘ Set points on front panel.
- ⌘ Easy to install.
- ⌘ 1/4 DIN case.



Specifications

	Range	Resolution	Accuracy
pH	0.00~14.00pH	0.01pH	±0.01pH±1 digit
mV	-1999~+1999mV	1mV	±0.1%
Temperature Compensation	Auto 0~100 (RTD, PT-100).		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Current Output Range	4 to 20 mA (isolated).		
Maximum Load	550 ohm.		
Isolation Voltage	500V DC.		
Control Type	2 ON/OFF controls		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	770grams / 1/4 DIN case.		

Accessories

IP-600-9 (PT)	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-150-00	Air tight protective

pH/ORP/Temp Industrial Online Controller 6311

Features

- ⌘ Clear LCD displays pH or mV, with temperature and relay status simultaneously.
- ⌘ Automatic buffer recognition of US and NIST buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Displays absolute and relative ORP.
- ⌘ Isolated and reversible 4-20 mA current output for pH or ORP allows it to be used as a proportional output.
- ⌘ 5 programmable on/off relays: 4 for pH or ORP and 1 for wash.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.1%±1 digit
mV (absolute / relative)	-2500~+2500mV / -6499~+6499mV	1mV / 1mV	±0.1%±1 digit
Temperature	-10.0~120.0	0.1	±0.2
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm / Resistor, Balco 3 k ohm at / RTD, PT-1000).		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type / Relay Output	5 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Security	4-digit password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	940 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-10	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 20 m cable).
IP-600-9 TH	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 5 m cable, with 10K thermistor).
IR-500-8	For wastewater (ORP, glass body, PPS housing, NPT3/4" thread, 5 m cable).
009A	Protective submersion housing.
012-200-00	Waterproof enclosure

pH/ORP Industrial Online Controller 6313

Features

- ⌘ Clear LCD displays pH or mV, with temperature and relay status simultaneously.
- ⌘ Automatic buffer recognition of US and NIST buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Displays absolute and relative ORP.
- ⌘ Isolated and reversible 4-20 mA current output for pH or ORP allows it to be used as a proportional output.
- ⌘ 2 programmable on/off relays: 2 for pH or ORP.
- ⌘ CE Approved
- ⌘ Password protection.
- ⌘ IP65



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.1%±1 digit
mV (absolute / relative)	-2500~+2500mV / -6499~+6499mV	1mV / 1mV	±0.1%±1 digit
Temperature	-10.0~120.0	0.1	±0.2
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm / Resistor, Balco 3 k ohm at / RTD, PT-1000).		
Input Impedance	>10 ¹³ ohms.		
Input Select	User selectable pH or ORP.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type / Relay Output	2 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Security	4-digit password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	940 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-10	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 20 m cable).
IP-600-9 TH	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 5 m cable, with 10K thermistor).
IR-500-8	For wastewater (ORP, glass body, PPS housing, NPT3/4" thread, 5 m cable).
009A	Protective submersion housing.
012-200-00	Waterproof enclosure

pH/Temp Industrial Online Controller 6312PTB

Features

- ⌘ Graphic LCD with manual backlight displays pH, temperature, relay status, and transmitter current mA output.
- ⌘ Automatic buffer recognition of US and NIST buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Two sets of isolated and reversible 4-20 mA current output for pH and temperature allows it to be used as a proportional output.
- ⌘ 4 programmable on/off relays: 3 for pH and 1 for temperature.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65.



Specifications

Catalog number	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.01pH±1 digit
Temperature	-10.0~120.0	0.1	±0.2
pH Buffer Recognition	(4.01, 7.00, 10.01) or (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0).		
Input Impedance	>10 ¹³ ohms.		
Output	Two current outputs for pH and temperature.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	4 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-digit password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-10	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 20 m cable).
IP-600-9 TH	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 5 m cable, with 10K thermistor).
009A	Protective submersion housing.
012-200-00	Waterproof enclosure.

pH/Temp Industrial Online Controller 6308PT/6308OT

Features

- ⌘ Graphic LCD with manual backlight displays pH (6308PT) / ORP (6308OT), temperature, relay status and transmitter current mA output simultaneously.
- ⌘ Automatic buffer recognition of US and European buffer sets (6308PT only). Calibration data is stored in memory and is ready for use on power up.
- ⌘ Isolated and reversible 4-20 mA current output for pH(6308PT) / ORP(6308OT) allows it to be used as a proportional output.
- ⌘ 5 programmable on/off relays: 4 for pH(6308PT)/ORP(6308OT) and 1 for temperature.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65



Specifications

Catalog number		6308PT	6308OT
Range	pH / ORP	-2.00~16.00pH	-2500~+2500AmV / -6499~+6499RmV
	Temperature	-10.0~120.0	
Resolution	pH / ORP	0.01pH	1mV
	Temperature	0.1	
Accuracy	pH / ORP	±0.01pH±1 digit	±0.1%±1 digit
	Temperature	±0.2	
pH Buffer Recognition		US(4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.	/
pH Electrode Offset Recognition		±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.	/
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 or 10.01.	/
Temperature Compensation		Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0).	/
Input Impedance		>10 ¹³ ohms.	/
Current Output Range		4 to 20 mA (isolated), programmable span.	
Current Output Scale		User programmable, linear or log.	User programmable, linear.
Maximum Load		500 ohm.	
Isolation Voltage		500V DC.	
Control Type		5 ON/OFF controls.	
Relay Output		5A at 115V AC or 2.5A at 220V AC, resistive load only.	
Display		128 x 64 graphical LCD with backlight.	
Security		4-digit password.	
Power		115V AC or 230V AC at 50/60 HZ.	
Ambient Temperature Range		From 0~50 .	
Weight / Case		950 grams / IP65, 1/4 DIN case, 148mm depth.	

Accessories

IP-600-9 (TH)	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 meters cable, with temperature thermistor), 6308PT only.
IR-500-8	For wastewater (ORP glass electrode, PPS housing, NPT3/4" thread, 5 m cable), 6308OT only.
9	Protective submersion housing.
012-200-00	Waterproof enclosures

EC/TDS/Temp Pocket Tester VisionPlus EC330

Features

- ⌘ Large display screen- displays conductivity/TDS and temperature at the same time.
- ⌘ Dual range with selectable or auto-ranging options.
- ⌘ 1 or 2 point calibration.
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ Battery life over 100 hours.
- ⌘ Low battery indicator.
- ⌘ IP67 waterproof housing.
- ⌘ RoHS compliant.



Specifications

Range	Conductivity	0.00~20.00mS/cm
	TDS	0.00~ 10.00g/L
	Temperature	0.0~99.5 / 32~212
Resolution	Conductivity	5uS 40~2000uS , 0.05mS 2.00~15.00mS and 0.10mS typical (15.00~20.00mS)
	TDS	5mg/L 20~1000mg/L , 0.05g/L 1.0~ 7.50g/L and 0.10g/L typical (7.50~10.00 g/L)
	Temperature	0.5 / 1
Accuracy	Conductivity	±1%FS
	TDS	±1%FS
	Temperature	±0.5 / ±1
Temp Compensation		0.0 to 60.0
Calibration		1 or 2 point (1415uS at 0~2000uS/cm range; 12.90mS at 0~20.00mS/cm range)
Electrode Type / Cell Constant		Two wire conductivity cell / 1.0
ATC		Thermistor, 10K Ω , at 25 .
Display		LCD
Power		LR44 x 4 batteries.
Battery Life		>100 hours.
Auto Power Off		After 10 minutes of inactivity.
Case		IP-67 waterproof.
Weight / Dimensions (W x D x H)		105 grams (Including batteries) /19.3cm x 4.4cm x 2.5cm
Accessories		
330P		Conductivity / TDS electrode module.

EC/Resistivity/Temp Pocket Tester VisionPlus EC331

Features

- ⌘ Large display screen- displays conductivity / Resistivity and temperature at the same time.
- ⌘ Convenient one point calibration.
- ⌘ SS316 stainless steel replaceable electrode module.
- ⌘ Replaceable electrode module ensures extended usefulness.
- ⌘ Battery life over 100 hours.
- ⌘ Low battery indicator.
- ⌘ IP67 waterproof housing.
- ⌘ Temperature reading in °C and °F, user selectable.
- ⌘ RoHS compliant.



Specifications

Range	Conductivity	0.1~199.9uS
	Resistivity	1.0~20.0MΩ
	Temperature	0.0~99.5 / 32~212
Resolution	Conductivity	0.1uS
	Resistivity	0.1MΩ
	Temperature	0.5 / 1
Accuracy	Conductivity	±1%FS
	Resistivity	±1%FS
	Temperature	±0.5 / ±1
Temp Compensation		0.0 to 60.0
Calibration		1 point (147uS at 0~199.9uS range)
ATC		Thermistor, 10KΩ, at 25 °C
Display		LCD
Power		LR44 x 4 batteries.
Battery Life		>100 hours.
Auto Power Off		After 10 minutes of inactivity.
Case		IP-67 waterproof.
Weight / Dimensions (W x D x H)		105 grams (Including batteries) /193mm x 44mm x 25mm
Accessories		
331P		Conductivity / Resistivity electrode module.

Pocket Testers

pH610/620D/Conductivity110/111/112/113/115

Features

- ⌘ LCD display.
- ⌘ 1 or 2 point calibration.
- ⌘ Readings are automatically compensated for temperature (ATC).
- ⌘ Low cost.



Specifications

	610	620D
Range	0.0 ~ 14.0pH	
Resolution	0.1pH	
Accuracy	± 0.1pH	± 0.2pH
Calibration	1 point	2 point
pH Temp Compensation	/	Auto from 0.0 to 60.0
Other		
Display	LCD	
Power	LR44 x 4	
Battery Life	1000 hours	400 hours
Dimensions	15.0cm x 3.2cm x 1.5cm	
Weight	55 grams	60 grams

Specifications

	110	111	112	113	115
Range	10~1990uS/cm	0.1~19.9mS/cm	1~199uS/cm	10~1990ppm	0.0~99.9uS/cm
Resolution	10uS/cm	0.1mS/cm	1uS/cm	10ppm	0.1uS/cm
Accuracy	±2%				
Calibration	1 point				
Temp Compensation	Auto from 5.0 to 55.0				
Other					
Display	LCD				
Power	LR44 x 4				
Battery Life	200 hours				
Dimensions	15.0cm x 3.2cm x 1.5cm				
Weight	60 grams				

EC/TDS/Salinity/Temp Portable Meter 3010M

Features

- ⌘ Simultaneous displays of conductivity, salinity or TDS with temperature measurements.
- ⌘ 50 data set reviewable memory.
- ⌘ Convenient one point calibration. Calibration data is stored in memory and ready for use on power up.
- ⌘ Selectable cell constants for true wide range readings.
- ⌘ Adjustable TDS coefficient, reference temperature and temperature coefficient.
- ⌘ Uses one conductivity cell for conductivity, salinity and TDS measurements.
- ⌘ Accepts 2-wire conductivity cells with K=0.1, 1.0 and 10.0 cell constants for improved flexibility and accuracy.
- ⌘ Automatic shutoff function (30 minutes of non-use).
- ⌘ Battery life over 1000 hours.
- ⌘ IP65 waterproof.
- ⌘ Low battery indicator.
- ⌘ RoHS and CE compliant.



Specifications

Range	Conductivity	0.000~9.999; 10.0~99.99; 100.0~400.0uS/cm or 0.00~99.99; 100.0~999.9; 1000~9999uS/cm; 10.00~40.00mS/cm or 0.0~999.9; 1000~9999uS/cm; 10.00~99.99; 100.0~400.0mS/cm
	Salinity	0.0~ 70.0ppt
	Temperature	-10.0~90.0
Resolution	Conductivity	0.001uS/cm; 0.01uS/cm; 0.1uS/cm; 1uS/cm; 0.01mS/cm; 0.1mS/cm
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	Conductivity	±0.5% FS
	Salinity	±0.5% FS
	Temperature	0.2 or 0.4% FS
Reference Temperature	From 15.0 to 25.0 , default is 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
TDS Constant	From 0.30 to 1.00, default is 0.65.	
Electrode Type / Cell Constant	Two wire K= 0.1, 1.0, 10 conductivity cells, default is 1.0.	
ATC	Thermistor, 10K ohms, at 25 .	
Power	9Volt battery.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions (W x D x H)	260 grams (Including batteries) / 70mm x 186mm x 37mm	

Accessories

109A	Glass, two-wire K=0.1 (0.0~200.0uS/cm) conductivity cell w/ platinum plate, 10K ohms thermistor, 4 pin connector and 1m cable.
106A	Glass, two-wire K=1.0 (0.02~20.00mS/cm) conductivity cell w/ platinum plate, 10K ohms thermistor, 4 pin connector and 1m cable
107A	Epoxy, two-wire K=10.0 (1.0~200.0mS/cm) conductivity cell w/ platinum plate, 10K ohms thermistor, 4 pin connector, and 1m cable.
Carrying case	Hard carrying case.

EC/TDS/Salinity/Temp Portable Meter 3020M

Features

- Simultaneous displays of conductivity, salinity or TDS with temperature measurements.
- 50 data set reviewable memory.
- Convenient one point calibration. Calibration data is stored in memory and ready for use on power up.
- Adjustable TDS coefficient, reference temperature and temperature coefficient.
- Uses one conductivity cell for conductivity, salinity and TDS measurements.
- Accepts 4-wire conductivity cell with K=0.475 cell constant and 2-wire K=0.1 cell constants for improved flexibility and accuracy. Automatic shutoff function (30 minutes of non-use).
- Battery life over 1000 hours.
- IP65 waterproof.
- Low battery indicator.
- RoHS and CE compliant.



Specifications

Range	Conductivity	0.00~99.99uS/cm; 100.0~200.0uS/cm or 0.0~499.9uS/cm; 500~4999uS/cm; 5.00~49.99mS/cm; 50.0~200.0mS/cm
	Salinity	0.0~ 70.0ppt
	Temperature	-10.0~90.0 ℃
Resolution	Conductivity	0.01uS/cm; 0.1uS/cm; 1uS/cm; 0.01mS/cm; 0.1mS/cm
	Salinity	0.1ppt
	Temperature	0.1 ℃
Accuracy	Conductivity	±0.5%FS
	Salinity	±0.5%FS
	Temperature	±0.2 ℃ or ±0.4% FS, whichever is greater
Reference Temperature	From 15.0 to 25.0 ℃, default is 25.0 ℃	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
TDS Constant	From 0.30 to 1.00, default is 0.65.	
Electrode Type / Cell Constant	4 wire conductivity cell: K= 0.475 and 2 wire conductivity cell: K=0.1.	
ATC	Thermistor, 10K ohms, at 25 ℃	
Power	9Volt battery.	
Operating Ambient Conditions	From 0~50 ℃ at 90% RH.	
Weight / Dimensions (W x D x H)	260 grams (Including batteries) / 70mm x 186mm x 37mm	

Accessories

3020P	Epoxy, 4-wire K=0.475 (50uS~200mS/cm) conductivity cell, platinum plated, 10K ohms thermistor, 6 pin connector and 1m cable,.
109P	Glass, 2-wire K=0.1 (0.0~200.0uS/cm) conductivity cell w/ platinum plate, 10K ohms thermistor, 6 pin connector and 1m cable
Carry case	Hard carrying case

EC/Salinity/TDS/Temp Portable Meter VisionPlus EC3840

Features

- ⌘ Simultaneous display of conductivity, salinity or TDS and temperature measurements.
- ⌘ Adjustable TDS coefficient, reference temperature and temperature coefficient.
- ⌘ Automatically finds the most suitable display range for your measurements.
- ⌘ Accepts 4-wire conductivity cell.
- ⌘ Uses one conductivity cell for conductivity, salinity and TDS measurements.
- ⌘ Low battery indicator.
- ⌘ IP67 waterproof housing.
- ⌘ Rugged rubber shockproof protective boot provides extra protection in the field.
- ⌘ RoHS compliant.



Specifications

Range	Conductivity	0~499.9uS/cm; 500~4999uS/cm; 5.00~49.99mS/cm; 50.0~200.0mS/cm
	Salinity	0.0~ 70.0ppt
	Temperature	-10.0~90.0
Resolution	Conductivity	0.1uS/cm; 1uS/cm; 0.01mS/cm; 0.1mS/cm
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	Conductivity	±1% of reading plus 2uS/cm; ±1% of reading plus 5uS/cm; ±1% of reading plus 0.05mS/cm; ±2.5% of reading plus 0.5mS/cm
	Salinity	±0.2%FS
	Temperature	±0.2 or ±0.4%FS, whichever is greater
Reference Temperature	From 15.0 to 25.0 , default at 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default at 1.91%.	
TDS Constant	From 0.30 to 1.00, default at 0.65.	
Electrode Type	Four wire conductivity cell.	
ATC	Thermistor, 10K Ω , at 25	
Calibration Backup	Yes	
Automatic Temperature Compensation	Yes	
Display	Large LCD	
Power	4 X 1.5 Volt AAA batteries	
Auto Power Off	After 20 minutes of inactivity	
Battery Life	>100 hours	
Ambient Temperature Range	From 0~50	
Case	IP-67 waterproof with rubber shockproof protective boot.	
Weight / Dimensions (W x D x H)	230 grams (Including batteries) / 75cm x 157cm x 35cm	
Accessories		
3840NP	Four-wire conductivity cell with Mini 6 DIN connector K=0.5 (0~200mS)	

EC/TDS/Salinity/Temp Portable Meter 3250M

Features

- ⌘ Clear LCD displays conductivity, salinity or TDS, simultaneously with temperature.
- ⌘ Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Accepts 2-wire and 4-wire conductivity cells with k=0.1, k=1.0 and K=10.0 cell constants for improved flexibility and accuracy.
- ⌘ Inclined back provides ideal viewing angle for benchtop use.
- ⌘ 50 memory storage of conductivity, salinity, TDS with temperature reading with memory location ID.
- ⌘ RS-232 computer interface with software.
- ⌘ IP65 waterproof.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Catalog number	3250M	
Range	Conductivity	0.000~9.999uS/cm; 10.00~99.99uS/cm; 100.0~999.9uS/cm; 1.000~9.999mS/cm; 10.00~99.99mS/cm; 100.0~200.0mS/cm
	TDS	0.000~9.999ppm; 10.00~99.99ppm; 100.0~999.9ppm; 1.000~9.999ppt; 10.00~99.99ppt; 100.0~200.0ppt
	Salinity	0.0~ 80.0ppt
	Temperature	-10.0~120.0
Resolution	Conductivity	0.001uS/cm; 0.01uS/cm; 0.1uS/cm; 0.001mS/cm; 0.01mS/cm; 0.1mS/cm
	TDS	0.001ppm; 0.01ppm; 0.1ppm; 0.001ppt; 0.01ppt; 0.1ppt
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	Conductivity	±0.5%FS
	TDS	±0.5%FS
	Salinity	±1%FS
	Temperature	±0.2
Reference Temperature	From 15.0 to 25.0 , default is 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
TDS Constant	From 0.30 to 1.00, default is 0.65.	
Electrode Type / Cell Constant	Two wire or Four wire conductivity cell / 0.1, 1.0, 10, default is 1.0.	
ATC	Thermistor, 10K ohms, at 25 .	
Output / Memory Storage	RS232 / 50 sets	
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions (W x D x H)	370 grams (Including batteries) / 83mm x 222mm x 71mm	

Accessories

109L	Two-wire conductivity cell with 8 PIN connector, K=0.1 (0.0~200.0uS/cm).
106L	Two-wire conductivity cell with 8 PIN connector, K=1.0 (0.02~20.00mS/cm).
107N	Two-wire conductivity cell with 8 PIN connector, K=10.0 (1.0~200.0mS/cm).
6007D115	115V AC adapter.
6007D230	230V AC adapter.

EC/Salinity/Temp Benchtop Meter 3107

Features

- ⌘ Two LCD display conductivity, salinity or temperature.
- ⌘ Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Accepts 2-wire or 4-wire conductivity cells with k=0.1, k=1.0 and K=10.0 cell constants for improved flexibility and accuracy.
- ⌘ RS-232 computer interface with software.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Range	Conductivity	0.000~9.999uS/cm; 0.00~99.99uS/cm; 0.0~999.9uS/cm; 0.000~9.999mS/cm; 0.00~99.99mS/cm; 0.00~999.9mS/cm
	Salinity	0.0~ 80.0ppt
	Temperature	-10.0~120.0
Resolution	Conductivity	0.001uS/cm; 0.01uS/cm; 0.1uS/cm; 0.01mS/cm; 0.01mS/cm; 0.1mS/cm
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	Conductivity	±0.5%FS
	Salinity	±1%FS
	Temperature	±0.5
Reference Temperature	From 15.0 to 25.0 , default is 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
Electrode Type / Cell Constant	2 or 4 wire conductivity cell / 0.1, 1.0, 10, default is 1.0.	
ATC	Thermistor, 10K ohms, at 25 .	
Output	RS232	
Power	6 X 1.5 Volt AA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 85% RH.	
Weight / Dimensions (W x D x H)	1000 grams (Including batteries) / 250mm x 240mm x 100mm	

Accessories

109L	Two-wire conductivity cell with 8 PIN connector, K=0.1 (0.0~200.0uS/cm).
106L	Two-wire conductivity cell with 8 PIN connector, K=1.0 (0.02~20.00mS/cm).
107N	Two-wire conductivity cell with 8 PIN connector, K=10.0 (1.0~200.0mS/cm).
6007D115	115V AC adapter.
6007D230	230V AC adapter.
007N	Electrode holder arm.

EC/TDS/Salinity/Temp Benchtop Meter 3173/3173R

Features

- ⌘ Large and clear LCD displays conductivity, salinity or TDS, simultaneously with temperature.
- ⌘ Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Accepts 2-wire conductivity cells with k=0.1, k=1.0 and K=10.0 cell constants for improved flexibility and accuracy.
- ⌘ RS-232 computer interface with software.
- ⌘ AC adaptor or battery power (low battery indicator).
- ⌘ IP54 waterproof



Specifications

Range	Conductivity	0.00~20.00uS/cm; 20.0~200.0uS/cm; 200~2000uS/cm; 2.00~20.00mS/cm; 20.0~200.0mS/cm
	TDS	0.00~10.00ppm; 10.0~100.0ppm; 100~1000ppm; 1.00~10.00ppt; 10.0~100.0ppt
	Salinity	0.0~ 80.0ppt
	Temperature	-10.0~120.0
Resolution	Conductivity	0.01uS/cm; 0.1uS/cm; 1uS/cm; 0.01mS/cm; 0.1mS/cm
	TDS	0.01ppm; 0.1ppm; 1ppm; 0.01ppt; 0.1ppt
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	Conductivity	±0.5%FS
	TDS	±0.5%FS
	Salinity	±1%FS
	Temperature	±0.5
Reference Temperature	From 15.0 to 25.0 , default is 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
TDS Constant	0.50, fixed.	
Electrode Type / Cell Constant	Two wire conductivity cell / 0.1, 1.0, 10, default is 1.0.	
ATC	Thermistor, 10K ohms, at 25 .	
RS232	3173R Only	
Power	6 X 1.5 Volt AA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions (W x D x H)	650 grams (Including batteries) / 165mm x 230mm x 80mm	

Accessories

109L	Two-wire conductivity cell with 8 PIN connector, K=0.1 (0.0~200.0uS/cm).
106L	Two-wire conductivity cell with 8 PIN connector, K=1.0 (0.02~20.00mS/cm).
107N	Two-wire conductivity cell with 8 PIN connector, K=10.0 (1.0~200.0mS/cm).
6007D115	115V AC adapter.
6007D230	230V AC adapter.
007N	Electrode holder arm.

EC/ TDS/Temp Benchtop Meter VisionPlus EC3175

Features

- ⌘ Large LCD displays conductivity and temperature simultaneously with backlight.
- ⌘ Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Accepts 2-wire conductivity cells with K=0.01, K=0.1, K=1.0 and K=10.0 cell constants for improved flexibility and accuracy.
- ⌘ AC adaptor or battery power (low battery indicator).
- ⌘ RoHS compliant.



Specifications

Range	Conductivity /TDS K=0.01	0.000-1.999uS/cm; 2.00-19.99uS/cm 0.000-1.999mg/L; 2.00-19.99 mg/L
	Conductivity /TDS K=0.1	0.00-19.99uS/cm; 20.0-199.9uS/cm 0.00-19.99 mg/L; 20.0-199.9 mg/L
	Conductivity /TDS K=1.0	0.0-199.9uS/cm; 200-1999uS/cm; 20.00-19.99mS/cm 0.0-199.9mg/L; 200-1999mg/L; 2.00-19.99g/L
	Conductivity /TDS K=10	0-1999uS/cm; 2.00-19.99mS/cm; 20.0-199.9mS/cm 0-1999 mg/L; 2.00-19.99 g/L; 20.0-199.9 g/L
	Temperature	0.0-100.0
Resolution	Conductivity TDS K=0.01	0.001uS/cm; 0.01uS/cm 0.001mg/L; 0.01mg/L
	Conductivity TDS K=0.1	0.01uS/cm; 0.1uS/cm 0.01mg/L; 0.1mg/L
	Conductivity TDS K=1.0	0.1uS/cm; 1uS/cm; 0.01mS/cm 0.1mg/L; 1mg/L; 0.01g/L
	Conductivity TDS K=10	1uS/cm; 0.01mS/cm; 0.1mS/cm 1mg/L; 0.01g/L; 0.1 g/L
	Temperature	0.1
Accuracy	Conductivity /TDS K=0.01	±0.5%FS
	Conductivity TDS K=0.1	±0.5%FS
	Conductivity TDS K=1.0	±0.5%FS
	Conductivity TDS K=10	±0.5%FS
	Temperature	0.2
Reference Temperature	From 15.0 to 25.0 , default is 25.0 ,	
Temperature Coefficient	From 0.00 to 4.00%, default is 1.91%.	
TDS Constant	From 0.30 to 1.00	
Electrode Type / Cell Constant	Two wire conductivity cell / 0.01, 0.1, 1.0, 10, default is 1.0.	
Temp Compensation	Auto / Manual 0.0-100.0	
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0-50 , at 90% RH.	
Case	IP-54 waterproof	
Weight / Dimensions (W x D x H)	504 grams (Including batteries) / 150mm x 203mm x 72mm	
Accessories		
TBA	Two-wire conductivity cell with 8 PIN connector, K=0.01 (0.00-20.00uS/cm). /TDS 0.000-1.999mg/L; 2.00-19.99 mg/L	
109L	Two-wire conductivity cell with 8 PIN connector, K=0.1 (0.0-200.0uS/cm). /TDS 0.00-19.99 mg/L; 2.0-199.9 mg/L	
106L	Two-wire conductivity cell with 8 PIN connector, K=1.0 (0.02-20.00mS/cm) /TDS. 0.0-199.9mg/L; 200-1999mg/L; 2.00-19.99g/L	
107N	Two-wire conductivity cell with 8 PIN connector, K=10.0 (1.0-200.0mS/cm). /TDS 0-1999 mg/L; 2.00-19.99 g/L; 20.0-199.9 g/L	
6007D115	115V AC adapter.	
6007D230	230V AC adapter.	
007N	Electrode holder arm.	

Basis 3177

EC/TDS/Temp
Benchtop
Meter



Introduction

The Basis Series EC/TDS/temperature benchtop meter contains the same ease-of-use and accurate readings of its popular predecessor, but is now in a streamlined form factor that is similar to that of the Stream Series.

Features

Large, high contrast, backlit LCD displays EC/TDS and temperature simultaneously

Simple one-point calibration

Calibration data is stored in memory and is ready for use on power up

Accepts 2-wire conductivity cells with K=0.01, K=0.1, K=1.0 and K=10.0 cell constants for improved flexibility and accuracy

AC adaptor or battery power with low battery indicator



Specifications

	Range	Resolution	Accuracy
Cond. / TDS (K=0.01)	0.000uS/cm ~ 199.9 uS/cm 0.000mg/L ~ 199.9 mg/L	0.001 uS/cm;0.01uS/cm;0.1uS/cm 0.001 mg/L;0.01mg/L;0.1mg/L	±0.5% FS
Cond. / TDS (K=0.1)	0.00uS/cm ~ 1999 uS/cm 0.00mg/L ~ 1999 mg/L	0.01 uS/cm;0.1uS/cm;1uS/cm 0.01 mg/L;0.1mg/L;1mg/L	±0.5% FS
Cond. / TDS (K=1.0)	0.0uS/cm ~ 19.99 mS/cm 0.0mg/L ~ 19.99 g/L	0.1 uS/cm;1uS/cm;0.01mS/cm 0.1 mg/L;1mg/L;0.01g/L	±0.5% FS
Cond. / TDS (K=10)	0uS/cm ~ 199.9 mS/cm 0mg/L ~ 199.9 g/L	1 uS/cm;0.01mS/cm;0.1mS/cm 1 mg/L;0.01g/L;0.1g/L	±0.5% FS
Temperature	0.0 ~ 100.0 °C	0.1 °C	±0.2 °C

Reference Temperature From 15.0 °C to 25.0 °C, default is 25.0 °C

Temperature Coefficient From 0.00% to 4.00%, default is 1.91%

TDS Constant From 0.30 to 1.00

Electrode Type / Cell Constant Two wire conductivity cell / 0.01, 0.1, 1.0, 10, default is 1.0

Temp Compensation Auto / Manual 0.0 ~ 100.0 °C

Operating Ambient Conditions From 0 ~ 50 °C, at 90% RH

Power 6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.

Case IP-54 waterproof

Weight / Dimensions (W x D x H) 430 grams / 150 mm x200 mm x 45mm

Accessories

Contact Jenco for complete list of accessories

108, 109L (Glass Body) 2-wire, epoxy body, K=0.1 conductivity cell, 8 PIN connector

101, 106L (Glass Body) 2-wire, epoxy body, K=1.0 conductivity cell, 8 PIN connector

107N 2-wire, epoxy body, K=10 conductivity cell, 8 PIN connector

6230D115 115V AC adapter

6230D230 230V AC adapter

007N Electrode holder arm

Jenco Instruments, Inc. www.jencoi.com +1-858-578-2828

Conductivity/TDS/Temp Industrial Online Controller 6308CT

Features

- ⌘ Graphic LCD with manual backlight displays conductivity/TDS, temperature, cell constant, temperature coefficient, relay status and transmitter current mA output simultaneously.
- ⌘ Convenient one point calibration and calibration data is stored in memory and is ready for use on power up.
- ⌘ Isolated and reversible 4-20 mA current output for conductivity allows it to be used as a proportional output.
- ⌘ 3 programmable on/off relays: 2 for conductivity and 1 for temperature.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65



Specifications

	Range (conductivity / TDS)	Resolution (conductivity / TDS)	Accuracy
K=0.01cm ⁻¹	0.000~9.999uS/cm / 0.000~5.000ppm	0.001uS/cm / 0.001ppm	±0.5%FS±1 digit
	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~300.0uS/cm / 50.0~150.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
K=0.1cm ⁻¹	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~3.000mS/cm / 0.500~1.500ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
K=1.0cm ⁻¹	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~9.999mS/cm / 0.500~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~30.00mS/cm / 5.00~15.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
K=10.0cm ⁻¹	1.000~9.999mS/cm / 0.000~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~99.99mS/cm / 5.00~50.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
	100.0~300.0mS/cm / 50.0~150.0ppt	0.1mS/cm / 0.1ppt	±0.5%FS±1 digit
Temperature	-10.0~120.0	0.1	±0.3
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0).		
Cell Constant	0.01,0.1, 1.0, 10 cm ⁻¹ , 2 wire or 4 wire.		
Reference Temperature	From 10.0 to 29.0 , user selectable.		
Temperature Coefficient	From 0.00 to 4.99%, user selectable.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load / Isolation Voltage	500 ohm / 500V DC .		
Control Type / Relay Output	3 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

392-122	K=0.01cm ⁻¹ , range: 0~20uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-126	K=0.1cm ⁻¹ , range: 0~200uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-125	K=1.0cm ⁻¹ , range: 0~10mS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
012-200-00	Waterproof enclosure.

Conductivity/TDS/Temp Industrial Online Controller 6312CTB

Features

- ⌘ Graphic LCD with manual backlight displays conductivity/TDS,
- ⌘ temperature, relay status and transmitter current mA output simultaneously.
- ⌘ Convenient one point calibration and calibration data is stored in memory and is ready for use on power up.
- ⌘ Two sets of Isolated and reversible 4-20 mA current output for conductivity and temperature allows it to be used as a proportional output.
- ⌘ 2 programmable on/off relays conductivity.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65.



Specifications

	Range (conductivity / TDS)	Resolution (conductivity / TDS)	Accuracy
K=0.01cm ⁻¹	0.000~9.999uS/cm / 0.000~5.000ppm	0.001uS/cm / 0.001ppm	±0.5%FS±1 digit
	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~300.0uS/cm / 50.0~150.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
K=0.1cm ⁻¹	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~3.000mS/cm / 0.500~1.500ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
K=1.0cm ⁻¹	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~9.999mS/cm / 0.500~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~30.00mS/cm / 5.00~15.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
K=10.0cm ⁻¹	1.000~9.999mS/cm / 0.000~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~99.99mS/cm / 5.00~50.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
	100.0~300.0mS/cm / 50.0~150.0ppt	0.1mS/cm / 0.1ppt	±0.5%FS±1 digit
Temperature	-10.0~120.0	0.1	±0.3
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0).		
Cell Constant	0.01,0.1, 1.0, 10 cm ⁻¹ , 2 wire or 4 wire.		
Reference Temperature	From 10.0 to 29.0 , user selectable.		
Temperature Coefficient	From 0.00 to 4.99%, user selectable.		
Output	Two current outputs for conductivity and temperature.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear		
Maximum Load / Isolation Voltage	500 ohm / 500V DC.		
Control Type / Relay Output	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

392-122	K=0.01cm ⁻¹ , range: 0~20uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-126	K=0.1cm ⁻¹ , range: 0~200uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).

392-125	K=1.0cm ⁻¹ , range: 0~10mS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
012-200-00	Waterproof enclosure

Conductivity Industrial Online Controller 3101S

Features

- ⌘ LED displays.
- ⌘ Automatic temperature compensation.
- ⌘ Set points on front panel.
- ⌘ Easy to install.
- ⌘ 1/8 DIN aluminum case.



Specifications

	Range	Resolution	Accuracy
K=1.0cm ⁻¹	0-99.9uS/cm	0.1uS/cm	±1.0%FS±1 digit
	0.00-999uS/cm	1uS/cm	±1.0%FS±1 digit
	0.00-9.99mS/cm	0.01mS/cm	±1.0%FS±1 digit
	0-20.0mS/cm	0.1mS/cm	±1.0%FS±1 digit
Temperature Compensation	Auto 5.0-55.0 (Thermistor, 10K ohm at 25.0).		
Cell Constant	1.0cm ⁻¹ , 2 wire cell.		
Temperature Coefficient	2.00%.		
Recorder Output	1mV/dight.		
Decimal Point	Internal DIP switch selectable.		
Control Type	2 sets ON/OFF controls		
Relay Output	8A at 115V AC or 4A at 220V AC, resistive load only.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0-50 .		
Weight / Case	690 grams / 1/8 DIN aluminum case.		

Accessories

392-125	K=1.0cm ⁻¹ , range: 0.0-10.0mS/cm. (stainless steel electrode, POM housing, NPT3/4" thread, 5 meters cable, with temperature thermistor).
012-200-00	Waterproof enclosures

Conductivity / Resistivity / Temp Industrial Online Controller/ Transmitter 3321/3331

Features

- ⌘ Easy to install 1/8 DIN plastic casing.
- ⌘ Clear LCD displays conductivity, resistivity or temperature with backlight.
- ⌘ Universal power supply input from 100-240VAC.
- ⌘ Automatic or manual temperature compensation.
- ⌘ Two sets of programmable on/off relays for conductivity or resistivity (3321).
- ⌘ Isolated and reversible 4-20mA current output for conductivity or resistivity allows it to be used as a proportional output (3331).
- ⌘ RoHS compliant.



Specifications

	Range	Resolution	Accuracy
K=0.01cm ⁻¹	0.000~1.999uS/cm / 0.00~19.99MΩ	0.001uS/cm / 0.01MΩ	±0.5%FS±1 digit
	0.00~19.99uS/cm / 0.000~1.999MΩ	0.01uS/cm / 0.001MΩ	±0.5%FS±1 digit
K=0.1cm ⁻¹	0.00~19.99uS/cm	0.01uS/cm	±0.5%FS±1 digit
	0.0~199.9uS/cm	0.1uS/cm	±0.5%FS±1 digit
K=1.0cm ⁻¹	0.0~199.9uS/cm	0.1uS/cm	±0.5%FS±1 digit
	0~1999uS/cm	1uS/cm	±0.5%FS±1 digit
	0.00~19.99mS/cm	0.01mS/cm	±0.5%FS±1 digit
Temperature	-10.0~120.0	0.1	±0.3
Temperature Compensation	Manual / Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0) .		
Cell Constant	0.01, 0.1, 1.0 cm ⁻¹ , 2 wire.		
Reference Temperature	25.0 , factory set.		
Temperature Coefficient	2.00 or 0.00 % , user selectable.		
Control Type / Relay Output (3321)	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Current Output Range / Scale (3331)	4 to 20 mA (isolated) / Liner		
Maximum Load	500 ohm		
Isolation Voltage	500 VDC		
Display	LCD, with backlighting.		
Power	100~240V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Case	1/8 DIN case, 90mm depth.		

Accessories

392-122	K=0.01cm ⁻¹ , range: 0~20uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-126	K=0.1cm ⁻¹ , range: 0~200uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-125	K=1.0cm ⁻¹ , range: 0~10mS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
012-150-00	Waterproof enclosures

DO/Temp Portable Meter 9010M/9020M

Features

- ⌘ Simultaneous display of dissolved oxygen and temperature measurements.
- ⌘ 50 data set reviewable memory.
- ⌘ Automatic temperature compensated (ATC) dissolved oxygen readings.
- ⌘ User selectable salinity and pressure compensated dissolved oxygen readings.
- ⌘ Works with accurate and reliable polarographic (9010M) or galvanic (9020M) dissolved oxygen probes.
- ⌘ Automatic shutoff function (45 minutes of non-use).
- ⌘ Battery life over 500 hours.
- ⌘ IP65 waterproof housing.
- ⌘ Low battery indicator.
- ⌘ RoHS and CE compliant.



Specifications

Range	Dissolved O ₂ (ppm)	0.00–20.00ppm
	Dissolved O ₂ (%)	0.0–200.0%
	Temperature	-6.0–46.0
Resolution	Dissolved O ₂ (ppm)	0.01ppm
	Dissolved O ₂ (%)	0.1%
	Temperature	0.1
Accuracy	Dissolved O ₂ (ppm)	± 0.5% FS
	Dissolved O ₂ (%)	± 0.5% FS
	Temperature	± 0.3 ±1 digit
Pressure Compensation	600 to 1100mBar	
Salinity Compensation	From 0.0 to 40.0ppt	
Electrode Type	Polarographic (9010M) or Galvanic (9020M)	
ATC	Thermistor, 10K ohms at 25	
Calibration Backup	Yes	
Automatic Temperature Compensation	Yes	
Power	9Volt battery	
Operating Ambient Conditions	From 0–50 , at 90% RH.	
Weight / Dimensions	260 grams (Including batteries) / 70mm x 198mm x 37mm	

Accessories

LD-900-11	Polarographic dissolved oxygen probe (9010M) w/ 10K ohms thermistor, 6 pin connector and 4m cable
LD-900-3A	Membrane kit for LD-900-11.
LD-900G-1	Galvanic dissolved oxygen probe (9020M) w/ 10K ohms thermistor, 6 pin connector and 3m cable.
LD-900G-1A	Membrane kit for LD-900G-1.
Carrying case	Hard carrying case.

Optical DO/Temp Portable Meter 9030M

Features

- ⌘ The 9030M measures dissolved oxygen in water using optical technology.
- ⌘ Simultaneous display of dissolved oxygen and temperature measurements.
- ⌘ Easy to use user interfaces.
- ⌘ 50 data set of reviewable memory.
- ⌘ Automatic temperature compensated (ATC) dissolved oxygen readings.
- ⌘ User selectable salinity and pressure compensated dissolved oxygen readings.
- ⌘ IP65 waterproof housing.
- ⌘ Automatic shutoff function
- ⌘ Low battery indicator.
- ⌘ RoHS and CE compliant.



Specifications

Range	Dissolved O ₂	0.00–20.00mg/L
	Dissolved O ₂	0.0–200.0%
	Temperature	0.0–50.0 °C
Resolution	Dissolved O ₂ (ppm)	0.01mg/L
	Dissolved O ₂ (%)	0.1%
	Temperature	0.1 °C
Accuracy	Dissolved O ₂ (ppm)	± 1.5% of reading or ± 1.5mg/L, whichever is greater
	Dissolved O ₂ (%)	± 1.5% of reading or ± 1.5% air saturation, whichever is greater
	Temperature	± 0.3 °C
Pressure Compensation		500 to 1125mBar
Salinity Compensation		0.0 to 40.0ppt
Electrode Type		optical
Calibration Backup		Yes
Automatic Temperature Compensation		Yes
Power		9V Alkaline battery
Operating Ambient Conditions		0–50 °C, at 90% RH.
Weight / Dimensions		260 g (Including batteries) / 70mm x 198mm x 37mm

Accessories

LSDO probe	Optical dissolved oxygen DO probe with 4m cable, 4pin connector
Replacement sensor cap	Replacement sensor cap for LSDO probe
Carrying case	Hard Carrying case

Dissolved Oxygen/Temp Portable Meter 9250M

Features

- ⌘ Clear LCD displays dissolved oxygen as percent air saturation or as parts per thousand simultaneously with temperature.
- ⌘ Convenient one point calibration for dissolved oxygen. Calibration data is stored in memory and is ready for use on power up.
- ⌘ User selectable salinity and pressure compensated dissolved oxygen readings.
- ⌘ Work with accurate and reliable polarographic dissolved oxygen probes.
- ⌘ Inclined back provides ideal viewing angle for benchtop use.
- ⌘ 50 memory storage of dissolved oxygen with temperature reading with memory location ID.
- ⌘ RS-232 computer interface with software.
- ⌘ IP65 waterproof.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Catalog number		9250M
Range	Dissolved oxygen (%)	0.0~500.0%
	Dissolved oxygen (ppm)	0.00~50.00ppm
	Temperature	-6.0~46.0
Resolution	Dissolved oxygen (%)	0.1%
	Dissolved oxygen (ppm)	0.01ppm
	Temperature	0.1
Accuracy	Dissolved oxygen (%)	±0.2%FS
	Dissolved oxygen (ppm)	±0.2%FS
	Temperature	±0.3
Salinity Compensation		Manual 0.0 to 40.0 ppt, default is 0.0 ppt.
Pressure Compensation		Manual 640 to 1100 mBar, default is 1013 mBar.
Temperature Compensation		Auto -6.0~46.0 .
Sensor Type		Polarographic.
Output / Memory Storage		RS232 / 50 sets
Power		6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.
Operating Ambient Conditions		From 0~50 , at 90% RH.
Weight / Dimensions (W x D x H)		410 grams (Including batteries) / 83mm x 222mm x 71mm

Accessories

LD-900-10	Watertight dissolved oxygen probe .
LD-900-3A	Membrane kit.
6007D115	115V AC adapter.
6007D230	230V AC adapter.

Dissolved Oxygen/Temp Benchtop Meter 9173/9173R

Features

- ⌘ Clear LCD displays dissolved oxygen as percent air saturation or dissolved oxygen as parts per thousand, simultaneously with temperature.
- ⌘ Convenient one point calibration for dissolved oxygen. Calibration data is stored in memory and is ready for use on power up.
- ⌘ User selectable salinity and pressure compensated dissolved oxygen readings.
- ⌘ Work with accurate and reliable polarographic dissolved oxygen probes.
- ⌘ RS-232 computer interface with software.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Range	Dissolved oxygen (%)	0.0~200.0%
	Dissolved oxygen (ppm)	0.00~20.00ppm
	Temperature	-6.0~46.0
Resolution	Dissolved oxygen (%)	0.1%
	Dissolved oxygen (ppm)	0.01ppm
	Temperature	0.1
Accuracy	Dissolved oxygen (%)	±0.2%FS
	Dissolved oxygen (ppm)	±0.2%FS
	Temperature	±0.3
Salinity Compensation	Manual 0.0 to 40.0 ppt, default is 0.0 ppt.	
Pressure Compensation	Manual 600 to 1100 mBar, default is 1013 mBar.	
Temperature Compensation	Auto -6.0~46.0 .	
Sensor Type	Polarographic.	
RS232	9173R Only	
Power	6 X 1.5 Volt AA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions (W x D x H)	650 grams (Including batteries) / 165mm x 230mm x 80mm	

Accessories

LD-900-7	Watertight dissolved oxygen probe.
LD-900-3A	Membrane kit.
6007D115	115V AC adapter.
6007D230	230V AC adapter.
007N	Electrode holder arm.

DO/Temp Industrial Online Controller 6312DTF/6312DTB

Features

- ⌘ Graphic LCD with manual backlight displays dissolved oxygen, temperature, relay status and transmitter current mA output simultaneously.
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ Two sets of isolated and reversible 4-20 mA current output for dissolved Oxygen and temperature allows it to be used as a proportional output.
- ⌘ 4 programmable on/off relays: 3 for dissolved oxygen and 1 for temperature.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65



Specifications

	Range	Resolution	Accuracy
Dissolved oxygen (ppm /ppb)	0.000~40.000ppm / 0~40000ppb	0.001ppm / 1ppb	±0.2%FS
Dissolved oxygen (%)	0.0~500.0%	0.1%	±0.2%FS
Temperature	-10.0~120.0	0.1	±0.2
Salinity Compensation	Manual 0.0 to 49.9ppt.		
Pressure Compensation	Manual 600 to 4000mBar.		
Temperature Compensation	Auto -10.0 to 80.0 , 22K ohm NTC.		
Output	Two current output for dissolved oxygen and temperature		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	4 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC / 230V AC at 50/60 HZ, factory pre-set.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

OXYSENS 120	For wastewater, 6312DTF only (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
OXYGOLD G	For power plants, 6312DTB only (stainless steel housing, PG13.5 thread, VP plug, with temperature thermistor)
Cable	Only for OXYGOLD G, 5m.
009	Protective submersion housing.
012-200-00	Waterproof enclosures

DO/Temp Controller/Transmitter 3921/3931/3951

Description

- ⌘ Easy to install 1/8 DIN plastic casing.
- ⌘ Clear LCD displays dissolved oxygen or temperature with backlight.
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ Universal power supply input from 100-240VAC.
- ⌘ Automatic or manual temperature compensation.
- ⌘ Two sets of programmable on/off relays for DO (3921).
- ⌘ Isolated and reversible 4-20mA current output for DO allows it to be Used as a proportional output (3931).
- ⌘ RS485 Modbus communication protocol (3951).
- ⌘ CE and RoHS compliant.



Specifications

Range	Dissolved oxygen (mg/L)	0.00~40.00mg/L
	Dissolved oxygen (%)	0.0~400.0%
	Temperature	-10.0~80.0 °C automatic or manual
	Barometric pressure compensation	600~4000mbar manual
	Salinity compensation	0.0~49.9ppt manual
Resolution	Dissolved oxygen (mg/L)	0.01mg/L
	Dissolved oxygen (%)	0.1%
	Temperature	0.1 °C
Accuracy	Dissolved oxygen (mg/L)	±0.2% FS
	Dissolved oxygen (%)	±0.2% FS
	Temperature	±0.3 °C
Type of electrode	Polarographic	
Control type/Relay output	Two ON/Off controls. 5A at 115 VAC or 2.5A at 220VAC (3921)	
Current output	One 4~20mA isolated and programmable (3931)	
Communication output	RS-485 Modbus standard protocol (3951)	
Power	100VAC~ 240VAC , 50/60Hz	

Accessories

OXYSENS 120	For wastewater (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
OXYFERM FDA 120	For fermentation (stainless steel housing, T82/D4 thread, with temperature thermistor)
011-150-00	Waterproof enclosures, 150mm for panel mounting
012-150-00	Waterproof enclosures, 150mm for wall mounting

Two wire inline DO Transmitter **New** DO3910



Features

- ⌘ Clear LCD displays pH.
- ⌘ Isolated 4-20 mA current output for dissolved oxygen
- ⌘ Wide range power supply, 11 to 50V DC.
- ⌘ Easy to install for wall setting.
- ⌘ IP65 watertight case.

Specifications

Range	Dissolved oxygen (%)	0.0~199.9%
Resolution	Dissolved oxygen (%)	0.1%
Accuracy	Dissolved oxygen (%)	±0.2%FS
DO calibration	2 point calibration, manual	
Current output	One 4 ~20mA (isolated)	
Load	550Ω	
Power	11~50VDC	

Accessories

DO electrodes	OXYSENS 120	For wastewater (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
	OXYFERM FDA 120	For fermentation (stainless steel housing, T82/D4 thread, with temperature thermistor)
009	Protective submersion housing.	

pH/mV/Conductivity/TDS/Salinity/Temp Portable Meter 6360

Features

- ⌘ Clear LCD displays pH, mV, conductivity, TDS or salinity, simultaneously with temperature.
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ Accepts 2-wire and 4-wire conductivity cells with k=0.1 or k=0.475 cell constants.
- ⌘ Inclined back provides ideal viewing angle for benchtop use.
- ⌘ 50 memory storage of pH, mV, conductivity, TDS, salinity with temperature reading with memory location ID.
- ⌘ RS-232 or RS-232 to USB computer interface with software.
- ⌘ IP65 waterproof.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Catalog number	6360	
Range	pH/mV	-2.00~16.00pH / -1999~+1999mV
	Conductivity	0.00~200.0mS/cm
	TDS	0.00ppm~200.0ppt
	Salinity	0.0~ 80.0ppt
	Temperature	-5.0~100.0
Resolution	pH/mV	0.01pH / 1mV
	Conductivity	0.01uS/cm; 0.1uS/cm;;1uS/cm; 0.01mS/cm; 0.1mS/cm
	TDS	0.01ppm; 0.1ppm; 1ppm;0.01ppt; 0.1ppt
	Salinity	0.1ppt
	Temperature	0.1
Accuracy	pH/mV	±0.01pH±1digit / ±0.1%FS±1digit
	Conductivity	±0.5%FS
	TDS	±0.5%FS
	Salinity	±1%FS
	Temperature	±0.3 ±1digit
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18),	
pH Electrode Offset (Slope) Recognition	±100mV at pH 7.00 or -91.7 to +108.3mV at pH 6.86 / ±30% at pH 4.00, 4.01, 9.18 or 10.01.	
pH Temp Compensation	Auto / manual -5.0~100.0 .	
Input Impedance	>10 ¹³ ohms.	
Reference Temp / Temp Coefficient	From 15.0 to 25.0 , default is 25.0 / From 0.00 to 4.00%, default is 1.91%.	
Output / Memory Storage	RS232 or RS-232 to USB / 50 sets	
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions (W x D x H)	470 grams (Including batteries) / 83mm x 241mm x 71mm	

Accessories

6005P	pH, temperature, reference electrode with BNC and 8 PIN connector.
109L	2-wire conductivity cell with 8 pin connector, K=0.1 (0.00~200uS/cm).
101C	4-wire conductivity cell with 8 pin connector, K=0.475 (50uS/cm~200mS/cm).
6230D115	115V AC adapter.
6230D230	230V AC adapter.

pH/mV/Ion/Temp Portable Meter 6250

Features

- ⌘ Clear LCD displays pH, mV or direct ion concentration, simultaneously with temperature.
- ⌘ Calibration data is stored in memory and is ready for use on power up.
- ⌘ User selectable resolution of up to 0.001pH and 0.1mV.
- ⌘ Direct read out in ion concentration to simplify ion measurements.
- ⌘ Inclined back provides ideal viewing angle for benchtop use.
- ⌘ RS-232 computer interface with software.
- ⌘ IP65 waterproof.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Catalog number	6250	
Range	pH	-2.000~16.000pH
	mV	-1999.9~+1999.9mV
	Ion	0.0~119.8conc.
	Temperature	-5.0~125.0
Resolution	pH	0.01pH / 0.001pH
	mV	1mV / 0.1mV
	Ion	0.05, 0.1 or 0.2conc.
	Temperature	0.1
Accuracy	pH	±0.1%±1digit
	mV	±0.1%±1digit
	Ion	±2 digits
	Temperature	±0.5
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18, model 625xxC), factory pre-set.	
pH Electrode Offset Recognition	±90mV at pH 7.00 or 6.86.	
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.	
pH Temp Compensation	Auto / manual -5.0~125.0 .	
Input Impedance	>10 ¹³ ohms.	
Output / Connector	RS232 / BNC and 8 PIN	
Power	6 X 1.5 Volt AAA batteries or 115 / 230V AC adapter.	
Operating Ambient Conditions	From 0~50 , at 90% RH.	
Weight / Dimensions	470 grams (Including batteries) / 83mm x 241mm x 71mm	

Accessories

6005P	pH, temperature, reference electrode with BNC and 8 PIN connector (for 6250 and 6251N).
ISE	Ion selective electrodes.
6007D115	115V AC adapter.
6007D230	230V AC adapter.

pH/mV/Ion/Temp Benchtop Meter 6219

Features

- ⌘ Two LCD display pH, mV, direct ion concentration and temperature.
- ⌘ Convenient calibration with automatic buffer recognition of US or European pH buffer sets. Quick two points ion calibration. Calibration data is stored in memory and is ready for use on power up.
- ⌘ User selectable resolution of up to 0.001 for greatest accuracy.
- ⌘ Direct read out in ion concentration to simplify ion measurements.
- ⌘ RS-232 computer interface with software.
- ⌘ AC adaptor or battery power (low battery indicator).



Specifications

Range	pH	-2.000~16.000pH
	mV	-1999.9~+1999.9mV
	Ion	0.0~119.8conc.
	Temperature	-5.0~125.0
Resolution	pH	0.01pH / 0.001pH
	mV	1mV / 0.1mV
	Ion	0.05, 0.1 or 0.2conc.
	Temperature	0.1
Accuracy	pH	±0.1%±1 digit
	mV	±0.1%±1 digit
	Ion	±2 digits
	Temperature	±0.5
pH Buffer Recognition		US(pH4.01, 7.00, 10.01) or NIST (pH4.00, 6.86, 9.18), factory set.
pH Electrode Offset Recognition		±90mV at pH 7.00 or 6.86.
pH Electrode Slope Recognition		±30% at pH 4.00, 4.01, 9.18 or 10.01.
pH Temp Compensation		Auto / manual -5.0~125.0 .
Input Impedance		>10 ¹³ ohms.
Output / Connector		RS232 / BNC and 8 PIN
Power		6 X 1.5 Volt AA batteries or 115 / 230V AC adapter.
Operating Ambient Conditions		From 0~50 , at 85% RH.
Weight / Dimensions		1070 grams (Including batteries) / 250mm x 240mm x 100mm

Accessories

6005P	pH, temperature, reference electrode with BNC and 8 PIN connector.
GB700E	pH, reference electrode with BNC connector.
6230AST	Temperature electrode with 8 PIN connector.
ISE	Ion selective electrodes, special order.
6007D115	115V AC adapter.
6007D230	230V AC adapter.

pH/mV/Temp Industrial Online Controller 6309POT

Features

- ⌘ Graphic LCD with manual backlight displays pH, ORP, temperature, relay status and transmitter current mA output simultaneously.
- ⌘ Automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Isolated and reversible 4-20 mA current output for pH/ORP allows it to be used as a proportional output.
- ⌘ 5 programmable on/off relays: 2 for pH, 2 for ORP and 1 for temperature.
- ⌘ RS-485 output for remote access allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65



Specifications

Catalog number	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.01pH±1 digit
ORP	-2500~+2500AmV / -3999~+3999RmV	1mV / 1mV	±0.2%FS
Temperature	-10.0~120.0	0.1	±0.2
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
Temperature Compensation	Auto -10.0~120.0 (Thermistor, 10K ohm at 25.0).		
Input Impedance	>10 ¹³ ohms.		
Output Select	User selectable pH or ORP.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	5 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-9 TH	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 5 m cable, with temperature thermistor).
IR-500-8	For wastewater (ORP glass electrode, PPS housing, NPT3/4" thread, 5 m cable).
009	Protective submersion housing.
012-200-00	Waterproof enclosures

pH/DO/Temp Industrial Online Controller 6309PDTF

Features

- ⌘ Graphic LCD with manual backlight displays pH, dissolved oxygen, temperature, relay status and transmitter current mA output simultaneously.
- ⌘ Automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and is ready for use on power up.
- ⌘ Isolated and reversible 4-20 mA current output for pH/ dissolved oxygen allows it to be used as a proportional output.
- ⌘ 5 programmable on/off relays: 2 for pH, 2 for dissolved oxygen and 1 for temperature.
- ⌘ RS-485 output for remote access via an compatible computer allows multiple units to be connected and ganged together.
- ⌘ Password protection.
- ⌘ IP65 watertight case.



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.01pH±1 digit
Dissolved oxygen (ppm / %)	0.00~60.00ppm / 0.0~500.0%	0.01ppm / 0.1%	±0.2%FS
Temperature	-10.0~120.0	0.1	±0.2
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
pH input Impedance	>10 ¹³ ohms.		
Salinity Compensation	Manual 0.0 to 49.9ppt.		
Pressure Compensation	Manual 600 to 1100mBar.		
Temperature Compensation	Auto 0 to 80.0 , 22K ohm NTC.		
Output Select	User selectable pH or Dissolved oxygen .		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	5 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50 .		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-10	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 20 m cable).
OXYSENS 120	For wastewater (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-200-00	Waterproof enclosures

Water-Resistant Thermocouple Thermometer 7810

Features

- ⌘ Simultaneously displays temperature reading, time and date.
- ⌘ Auto ranging.
- ⌘ High accuracy, multiple Type K, J & T input thermometer.
- ⌘ Real time clock with date.
- ⌘ Stored 50 set of data with date time stamp in non-volatile memory.
- ⌘ Min. / Max. temperature readings display function.
- ⌘ Wide temperature range.
- ⌘ Highly reliable touch keys with audio feedback.
- ⌘ Power down memory backup.
- ⌘ Long battery life.
- ⌘ IP-67 waterproof with rubber shockproof protective boot (optional).



Specifications

Type	K	J	T
Range	-100.0 ~ 200.0	-100.0 ~ 200.0	-100.0 ~ 200.0
	-148.0 ~ 392.0	-148.0 ~ 392.0	-148.0 ~ 392.0
	-200 ~ -101 & 200 ~ 1370	-200 ~ -101 & 200 ~ 1100	-200 ~ -101 & 200 ~ 400
	-328 ~ -149 & 393 ~ 2500	-328 ~ -149 & 393 ~ 2012	-328 ~ -149 & 393 ~ 752
Resolution	0.1	0.1	0.1
	0.1	0.1	0.1
	1	1	1
	1	1	1
Accuracy	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6
	± 0.1%FS ± 1.2	± 0.1%FS ± 1.2	± 0.1%FS ± 1.2
	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6
	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6	± 0.1%FS ± 0.6
Cold junction compensation	0.03 / , 0.03 /		
Rated accuracy	18 to 28		
Rated measurement range	0 to 50		
Display	Large LCD		
Power	4 X 1.5 Volt AAA batteries		
Auto Power Off	After 20 minutes of inactivity		
Battery Life	>100 hours		
Ambient Temperature Range	From -10~60		
Case	IP-65 waterproof with rubber shockproof protective boot.		
Weight / Dimensions	230 grams (Including batteries) / 75mm x 157mm x 35mm		

Accessories

K7001	Immersion / general purpose probe, K type.
K7002	Penetration probe (semi-solids), K type.
K7003	Air / Gas probe, K type.
K7004	Surface contact probe, K type .

pH Probe



Model: 600P
pH range: 0 to 14 pH
Operating temperature: 0 to 80 °C
Length: 145mm
Diameter : 12mm
Body material: PC
Sensor material: Glass
Connector: BNC
Cable length: 1m

pH Probe



Model: 6005P/6003P
pH range: 0 to 14 pH
Operating temperature: 0 to 80 °C
Length: 120mm
Diameter: 12mm
Body material: PC
Sensor material: Glass
Connector: ATC + BNC
Cable length: 1m

pH Probe



Model: 600C
pH range: 2 to 12 pH
Operating temperature: 0 to 60 °C
Length: 150mm
Diameter: 12mm
Body material: Glass
Sensor material: Glass
Connector: BNC
Cable length: 1m

pH Probe



Model: GB700E
pH range: 0 to 14 pH
Operating temperature: 0 to 90 °C
Length: 150mm
Diameter: 12mm
Body material: Glass
Sensor material: Glass
Connector: BNC
Cable length: 1m

ORP Probe



Model: 600L-ORP
ORP range: -1000 to 1000mV
Operating temperature: 0 to 80 °C
Length: 150mm
Diameter: 12mm
Body material: Glass
Sensor material: Glass + Pt
Connector: BNC
Cable length: 1m

Conductivity Cell



Model: 106A/L
Conductivity range: 0uS to 30mS
Cell constant: K=1.0
Length: 150mm
Diameter: 12mm
Body material: Glass
Sensor material: Pt
Connector: 4pin/8pin
Cable length: 1m

Conductivity Cell



Model: 107A/N
Conductivity range: 0mS to 200mS/cm
Cell constant: K=10.0
Length: 150mm
Diameter: 12mm
Body material: Epoxy
Sensor material: Pt
Connector: 4pin/8pin
Cable length: 1m

Conductivity Cell



Model: 109A/L
Conductivity range: 0 uS to 200uS/cm
Cell constant: K=0.1
Length: 150mm
Diameter: 12mm
Body material: Glass
Sensor material: Pt
Connector: 4pin/8pin
Cable length: 1m

Electrode swing arm



Model: 007N
Material : ABS and Cast-iron

DO Probe



Model: LD-900G-1
Do range: 0 to 200% or 0 to 20 (ppm)
Response time: 30 secs to attain 95% actual reading (25°C)
Length: 140mm
Diameter: 12mm
Type: Galvanic
Body material: Epoxy
Sensor material: Pb and Ag
Connector: 6Pin
Cable length: 4m

DO Probe



Model: LD-900-10/11
Do range: 0 to 200% or 0 to 20mg/L(ppm)
Response time: 30 secs to attain 95% actual reading
Length: 150mm
Diameter: 12mm
Type: Polarographic
Body material: Stainless steel and POM
Sensor material: Gold and Ag
Connector: 8Pin/6Pin
Cable length: 4m

DO Probe



Model: LD-900-7
Do range: 0 to 200.0% or 0 to 20.00mg/L(ppm)
Response time: 30 secs to attain 95% of actual reading
Body material: PC
Sensor material: Gold and Ag
Connector: 8 pin
Cable length: 1m

pH Probe



Model: IP-600-9(PT/TH)
pH range: 0 to 14 pH
Operating temperature: 0 to 80 °C
Pressure tolerance: 0 to 100 psig (at 25°C)
Temperature sensor: PT100/NTC 10K
Thread: 3/4"NPT
Body material: PPS
Connect material: PPS
Sensor material: Glass
Connector: BNC or other
Cable length: 5m

pH Probe



Model: IP-600-10
pH range: 0 to 14 pH
Operating temperature: 0 to 80 °C
Pressure tolerance: 75C/170F = 100 psig
81C/180F = 85 psig
100C/212F = 50 psig
Length: 153mm
Thread: 3/4"NPT
Body material: PPS
Connect material: PPS
Sensor material: Glass
Connector: BNC or other
Cable length: 20m

pH Probe



Model: IP-600-3C
pH range: 2 to 12 pH
Pressure tolerance: 0 to 100 psig (at 25°C)
Operating temperature: 0 to 80 °C
Thread: 3/4"NPT
Body material: PPS
Connect material: PPS
Sensor material: Glass
Connector: BNC or other
Cable length: 5m

Conductivity Cell



Model: EC621-01
Conductivity range: 0.5 to 200uS/cm
Cell constant: K=0.1/cm
Operating temperature: 0 to 140 °C
Pressure range: 0 to 150 psig (at 135°C)
Thread: 3/4"NPT
Body material: SS316L, PTEE & PEEK
Connect material: SS316L
Sensor material: SS316L
Connector: Crimped Ferrules
Cable length: 6m

Conductivity Cell



Model: EC621-001
Conductivity range: 0.05 to 20uS/cm
Cell constant: K=0.01/cm
Temperature range: 0 to 140 °C
Pressure range: 0 to 150 psig(at 135°C)
Thread: 3/4"NPT
Body materia: SS316L, PTEE & PEEK
Connect material: SS316L
Sensor material: SS316L
Connector: Crimped Ferrules
Cable length: 6 m

Conductivity Cell



Model: EC 621-1
Conductivity range: 0 to 20mS/cm
Cell constant: K=1.0/cm
Temperature range: -5 to 80 °C
Pressure range: 0 to 70 psig (at 25°C)
Cell type : 2 wire
Thread: 3/4"NPT
Body material: Epoxy
Connect material: Epoxy
Sensor material: Epoxy + Glass
Connector: Crimped Ferrules
Cable length: 6 m

Conductivity Cell



Model: EC621-10
 Conductivity range: 1 to 200mS/cm
 Cell constant: K=10.0/cm
 Temperature range: -5 to 80 °C
 Pressure range: 0 to 70 psig(at 25°C)
 Cell type: 4 wire
 Thread: 3/4"NPT
 Body material: Epoxy
 Connect material: Epoxy
 Sensor material: Epoxy + Glass
 Connector: Crimped Ferrules
 Cable length: 6 m

Conductivity Cell



Model: 392-122
 Conductivity range: 0 uS to 20uS/cm
 Cell constant: K=0.01
 Operating temperature: 0 to 100°C
 Pressure tolerance: 0 to 100 psig(at 25°C)
 Temperature sensor: NTC 10K
 Thread: 3/4"NPT
 Body material: POM
 Connect material: POM
 Sensor material: SS316L
 Connector: Crimped Ferrules
 Cable length: 5m

Conductivity Cell



Model: 392-125
 Conductivity range: 0 mS to 10mS/cm
 Cell constant: K=1
 Operating temperature: 0 to 100°C
 Temperature sensor: NTC 10K
 Thread: 3/4"NPT
 Body material: POM
 Connect material: POM
 Sensor material: PTFE,SS316L
 Connector: Crimped Ferrules
 Cable length: 5m

Conductivity Cell



Model: 392-126
 Conductivity range: 0uS to 200 uS/cm
 Cell constant: K=0.1
 Operating temperature: 0 to 100°C
 Pressure tolerance: 0 to 100 psig (at 25°C)
 Temperature sensor: NTC 10K
 Thread : 3/4"NPT
 Body material: POM
 Connect material: POM
 Sensor material: SS316L
 Connector: Crimped Ferrules
 Cable length: 5m

ORP Probe



Model: IR-500-8
 ORP range: -2000 to 2000mv
 Operating temperature: 0 to 100°C
 Pressure tolerance: 0 to 100 psig (at 25°C)
 Thread: 3/4"NPT
 Body material: PPS
 Connect material: PPS
 Sensor material: Glass and Pt
 Connector: BNC or other
 Cable length: 5m

DO Probe



Model: OXYSENS120
Temp range: 0 to 60°C
Pressure tolerance: 0 to 4 bar
Response time: 60 secs to attain 98% of actual reading (at 25°C)
Temperature sensor: NTC 22K
Thread: PG 13.5
Connector: Crimped Ferrules
Cable length: 5m

DO Probe



Model: OXYFERM 120
Temp range: 0 to 130°C
Pressure tolerance: 0 to 4 bar
Response time: 17 secs to attain 90% of actual reading (at 25°C)
Response time: 43 secs to attain 90% of actual reading (at 25°C)
Temperature sensor: NTC 22K Ohm
Thread: PG 13.5
Body material: SS316L
Connect material: SS316L
Sensor material: SS316L
Cable length: 3m

Probe housing



Model: 009
Material: PP
Temperature range: 0 to 60°C
Standard length: 1m
Thread: 3/4"NPT