

# Industrial Conductivity Controller

Model DCM 910 with Transmitter TX103



## Features

- External transmitter for long distance between Cell & Indicator
- High Accuracy & Stability
- Highly Stable sine wave excitation
- Cell Cable capacitance compensation
- HIGH & LOW Alarms
- Panel Mount or Field Mount versions

## Specifications

Display	: 4 digit High Brightness LED
Range /Resolution	: 0 - 20 / 0.01, 0 - 200 / 0.1, 0 - 2000 / 1 $\mu$ S, 0 - 20 / 0.01, 0 - 200 / 0.1, 0 - 2000 / 1 mS
Accuracy	: 0.25% $\pm$ 1 digit
Temp. Compensation	: 0 to 100 ° C Automatic
Excitation Frequency	: 100Hz / 1 kHz
Excitation Voltage	: < 50 mV
Control	: High & Low Alarms 230V AC, 3A resistive Potential free Relay contacts
Output (OPTION)	: 4 - 20 mA DC
Power	: 230V $\pm$ 10%, 50 Hz
Operating Temperature:	0 to 50 °C
Dimensions	: Panel Mount : 96 x 96 x 150, Field Mount : Dia 102 x 175 mm Transmitter ABS IP 65120 x 85 x 85 with 1" pipe mounting bracket



## Conductivity Cell Model 9000

Type	: 2 Electrode Concentric design
Electrode Material	: SS316L
Insulator	: PTFE, Viton™
Cell Constant	: 0.01, 0.1, 0.05, 1.0
Thermocompensator	: 10K Thermister
Process Connection	: ½" BSP / 1.5" TC
Max Pressure	: 10 bar @ 25°C
Max Temp.	: 100 °C

Measurement Range	Recommended Cell Constant
0.05 to 50 $\mu$ S	0.01
5 to 1000 $\mu$ S	0.1
0.5 to 200 mS	1.0

Other models of Conductivity Cells for High Pressure & High Temperature upto 250 psig @ 205°C are also available

NIST / DKD Traceability Cell Constant Validation and

NIST traceability Calibration certificate provided on request

Specifications subject to change without prior notice

dcm910.doc

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