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## Process Indicator PI 136

The PI 136 is designed to take 4 analogue inputs for Process Plants where multiple parameters like RPM/Mass Temperature/ Vapour Temperature/pH/ Vacuum/Pressure etc. are monitored. It has RS 485 MODBUS RTU Communication or Ethernet TCP/IP.

It is encapsulated in a sleek  
**FLAMEPROOF ENCLOSURE.**

### FEATURES

- Confirms to 21 CFR11 requirements.
- Microprocessor based design with advanced fault tolerant design
- 2 independent relays
- Single point / Two-point Software calibration
- Channel ranges and units can be preconfigured (Factory Configured)
- User programmable for 1,2, 3, 4 channel measurements
- Software calibration for all 4 channels with password protection
- Programmable Alarm Limits with Visual Annunciation
- RS485 and Ethernet option available

### OPTIONS:

- Alarm Relay
- Real Time Clock battery powered clock
- Calibration record with Time and Date Stamp for Validation.
- Logging of 1000 records at a pre-selected interval.
- Digital Data transmission for zero error data recording
- Digital communication: MODBUS Protocol/Ethernet on RS485 for Controller / SCADA system

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#### **Display:**

- 4 row 4 digit 0.56-inch-High brightness LED
- Resolution:
  - User Selectable
- Range:
  - User Selectable

#### **Inputs and Outputs:**

- 4 Analogue inputs (4-20mA, RTD, 0-10V,0-1V)- Factory configurable

#### **Communication:**

- RS485 MODBUS RTU Communication (default)
- Option: TCP/IP (on Modbus) Communication
- Option: Instrument comes with RJ-45 Socket for directly connecting it on TCP/IP network
- Option: 4 X 4-20mA analogue output

#### **Alarms:**

- Each Parameter: Hi and Lo Alarms (Audio and Visual Alarms)
- Alarms can be set via SCADA or DDC or locally using keypad
- Alarm delay programmable
- Alarm Acknowledgement available
- External hooter can be connected to the relays

#### **Power supply:**

- 20V to 26V DC (default)
- 230VAC, 50Hz (Option)
- Power Consumption: 5VA
- Operating temperature: 0-50°C
- Relative Humidity: below 95%, noncondensing

#### **Mechanical Dimensions\*:**

- Certified Flameproof Enclosure
- Dimension : 220 (W) x 220 (H) x 130 (D)mm

#### **Other Options\*:**

- Datalogging which can be transferred on RS 485 or TCP/IP
- The location (address) of datalogging can be provided so that the user can retrieve the logged data

**\*As this is highly customisable instrument, features need to be specified with the order. We can cater to all types of request based on the quantities.**