Online Field Mounted pH Indicating Transmitter

MS pH 211T FLP



FEATURE

- Advanced Embedded Microcontroller Based Design
- On-line measurement, 2 wire system
- Can be connected to pH or ORP
- Easy Front Key Calibration
- Auto / Manual Temperature Compensation
- LCD backlit display
- 4 to 20 mA DC Isolated Output for pH or ORP
- Flameproof, Weatherproof IP 66 Protection

SPECIFICATION

Measuring Parameter	: pH or ORP (Selectable)
Type of Input	: From pH / ORP Electrode (Compatible to any make Electrode)
Type of Output	: 4 - 20 mA DC, 2 wire Isolated (max Load 600Ω)
Display	: COG Graphics LCD
Calibration Range	: 0 to 14 pH / ± 2000mV
Resolution	: 0.01 pH, 1 mV
Calibration Method	: 3 Point buffer (For pH Only)
Temp. Compensation	: Auto / Manual through RTD, Pt 100 sensor for 0-125°C
Accuracy	: ± 0.01 pH / ± 3mV
Output Current Accuracy	: ± 0.3 of Full scale
Isolation	: 1.4 KV between Input, Output & Power Supply
Input Impedance	: 10^{12} Ohm
Memory	: EEPROM, Non-Volatile
Electrical Connection	: Through Terminals
Power Supply	: 24 V DC
Power Consumption	: < 50 mW
Repeatability	: ± 0.05% of span, at 25°C
Stability	: 0.02 pH per 24 Hours, non- cumulative
Response Time	: < 1000 mSec
Temperature Coefficient	: ± 0.05% per °C
Temperature Drift	: ± 0.02% of span per °C (zero & span) at 25°C
Dimensions	: 135 (H) x 182 (W) including cable gland x 200 (D) in mm approx.
Electrical Connections	: M 20 x 1.5

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Mounting	: 2” Pipe Mounting
Weight	: 0.5 kg
Operating Conditions	: Temperature -20 to 75°C / Humidity 5 to 95% non-condensing
Housing	: Cast aluminum
Enclosure class	: IP66, Flame Proof, Ex db IIC T6 Gb/Ex.tb/ tc IIIC 85°C Db
Digital Communication	: NA







APPLICATION

Water Treatment Plant (WTP)	Wastewater Treatment Plant (WWTP)
Effluent Treatment Plant (ETP)	Sewage Treatment Plant (STP)
RO Water Plant	Power Plant
Hydroponics	Chemical Industry
Textile Industry	Paper & Pulp
Beverages / Food Industry	Pharma Industry
Scrubber Application	Pigment Industry
Steel Industry	Aqua Culture

Note : Due to continuous improvement in product specifications & looks may vary

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