

Online pH ORP Indicating Transmitter - 2 Wire (Flameproof) MS pH 211T FLP



FEATURE

- On-line measurement. 2 wire system.
- 4-20 mA DC output. Auto/Manual temperature compensation.
- On-Line indication through LCD display.
- Simple operating interface with basic pictographs.
- Easy installation with pre assembled empty enclosure & Plug in terminals.
- Protection Class IP-66
- Software calibration with buffer solution

MicroSet series MS pH 211T FLP are PH / ORP transmitters used for various industrial applications. It can accept input from pH / ORP electrode & pH / ORP signal is transmitted in the form of electrical 4 - 20 mA signal. The on-line pH / ORP indication is provided through LCD. Span / Zero adjustments are easily accessible. These transmitters are suitable for any make of electrode.

SPECIFICATION

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| 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) |
| Temperature 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 |
| Process Connection | : 1) Through BNC connector 2) Through Terminals |



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| Power Supply | : 24 V DC, External |
| Power Consumption | : < 50 mW |
| Repeatability | : +/-0.05% of span, at 25°C |
| Stability | : 0.02pH 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 | : 3/4" ET |
| 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 Digital | : IP66, Flame Proof, Ex db IIC T6 GB |
| Communication | : HART (Optional) |