

SALIENT FEATURES

- On-line measurement.
- 2 wire system.
- 4 to 20 mA DC output.
- Auto / Manual temperature compensation.
- Optional LCD indication.
- Flame-proof, IP-65, Gr. I, IIA, IIB, CMRI certified housing.



DESCRIPTION

Electronet's pH-001 is field mounting type 2 wire pH Transmitter used for on-line pH measurement. Temperature compensation is the additive feature of the transmitter. The pH signal is transmitted in the form of 4 - 20 mA DC current. The on-line LCD indication is optionally available. External ten turn potentiometers for Span & Zero are provided for easy calibration. These are suitable for any make of Electrodes.

TECHNICAL SPECIFICATIONS

Input	: From pH Electrode
Display	: 8 x 1 Digit, 0.5" LCD
Range	: 0 to 14 pH
Output	: 4 to 20 mA DC, 2 wire - Isolated
Accuracy	: +/- 0.02 pH
Temperature Compensation	: Auto / Manual through Pt 100 element (0 - 100 °C)
Power Supply	: 24 V DC, 30mA - external
Power Consumption	: Less than 1 VA.
Temperature Drift	: Less than 0.01% of F. S. per °C change
Response Time	: Less than 1000 mSec
Isolation	: 1.4 KV between Input & Output
Enclosure	: Flame-proof, IP 65, Gr. I, IIA, IIB CMRI Certified
Mounting	: 2" pipe mounting with C bracket
Process Connection	: As per requirement
Weight	: 3 Kg (Approx.)
Operating Temperature	: 0 - 55 °C
Humidity	: 10 to 90% Rh non condensing

CODIFICATION FOR PH 001

CODE DISPLAY
 01 : NONE
 02 : 8 x 1 DIGIT ,0.5" 7-seg LCD

CODE TEMPERATURE COMPENSATION SENSOR
 01 : RTD, Pt 100
 02 : OTHER PL. SPECIFY

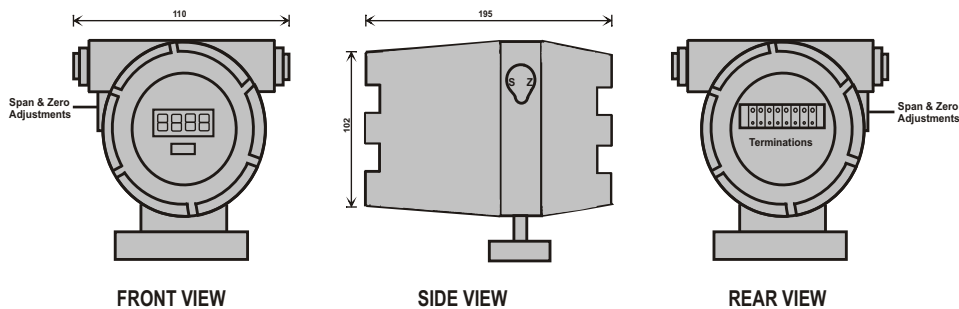
CODE pH ELECTRODE
 01 : NONE
 02 : REQUIRED *

CODE pH ELECTRODE FLOW CELL
 01 : NONE
 02 : REQUIRED (MOC PLEASE SPECIFY)
 03 : Required in SS

PH - 001 01 01 01 02

SAMPLE MODEL NUMBER

MOUNTING DETAILS



- * Note : For proper selection of pH electrode kindly send following details.
- Service
 - Service Temperature
 - Max. & Operating line pressure
 - Max. Viscosity of measuring liquid

Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

MANUFACTURED & MARKETED BY

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 PROCESS CONTROL INSTRUMENTS & AUTOMATION

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