

pH - 100S

pH/ORP TRANSMITTER

Features

- On-Line Measurement
- 2 Wire System
- DC Output : 4–20 mA, 4–20 mA with HART (Optional)
- Auto / Manual Temperature Compensation
- On-Line Indication through LCD Display
- Simple operating interface with basic Pictographs
- Easy Installation

Description

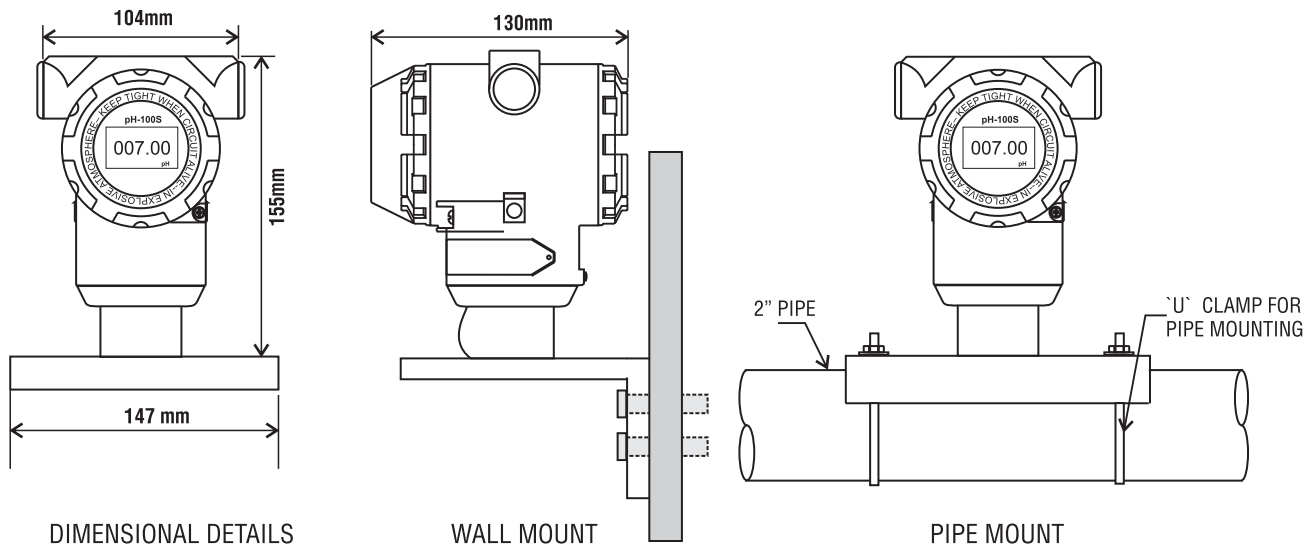
Electronet series PH-100S are PH / ORP transmitters used for various industrial applications. It can accept input from pH / ORP electrode & pH / ORP signal is transmitted in the form of electrical 4 – 20 mA signal. The on-line pH / ORP indication is provided through LCD. Span / Zero adjustments are easily accessible. These transmitters are suitable for any make of electrode.



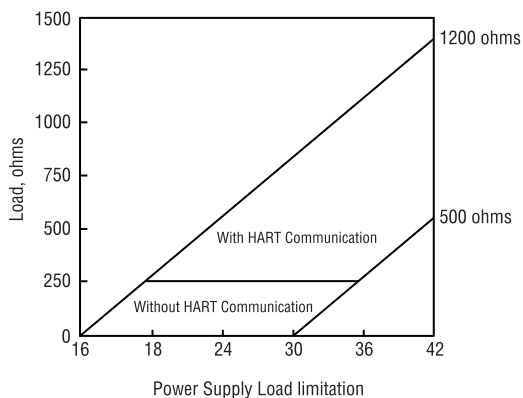
Technical Specifications

Type of Input	From pH / ORP Electrode (Compatible to any make Electrode)
Type of Output	4 – 20 mA DC, 2 Wire Isolated
Display	LCD Display
Calibration Range	0 to 14 pH / +/-2000mV
Calibration Method	3 Point buffer(For pH Only)
Temperature Compensation	Auto / Manual through RTD, PT 100 sensor for 0–125 °C
Accuracy	+/- 0.05 pH / +/-3mV
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Through BNC connector 2) Through Terminals
Power Supply	24 V DC, External
Power Consumption	< 50 mW
Repeatability	+/-0.05% of SPAN, at 25 °C
Sensitivity	+/-0.02pH
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	155 mm (H) x 105 mm (W) X 130 mm (D)
Electrical Connections	1) M20X1.5 (F) 2) ½" NPT(F)
Mounting	2" Pipe Mounting
Weight	0.5 kg
Operating Conditions	Temperature -20 to 75 °C / Humidity 5 to 95% non condensing
Housing	Cast aluminum with epoxy coating NEMA 4X (IP-65)
Digital Communication	HART
Accessories (Optional)	
Flow Through Assembly	SS / PP

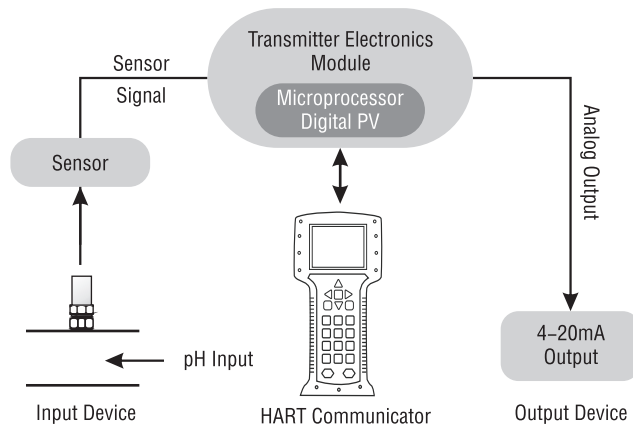
Dimensional & Mounting Panel



Power Supply Vs Load Graph



Loop Diagram



Ordering Information

Sample Order Code : 7A-22B-25A-49B

Parameter	Code	Value	Parameter	Code	Value
07 Area Classification	07A	Weather Proof	25 Temperature Compensation	25A	RTD
	07B	Flame Proof		25X	Other
	07Y	None	49 Output	49A	4 to 20 mA
22 MOC Electronics Enclosure	22A	Die Cast Aluminium		49B	4 to 20 mA with HART
		22B	SS316		

Note : • Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
 • Accuracy defined at Lab Conditions.
 • For other requirement please consult factory.

ELECTRONET EQUIPMENTS PVT. LTD.

Factory Address:

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