

Features

- On-Line Measurement
- 2 Wire System
- 4-20 mA DC Output / 4-20 mA with HART (Generic)
- Auto / Manual Temperature Compensation
- On-Line Indication through LCD Display
- 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.

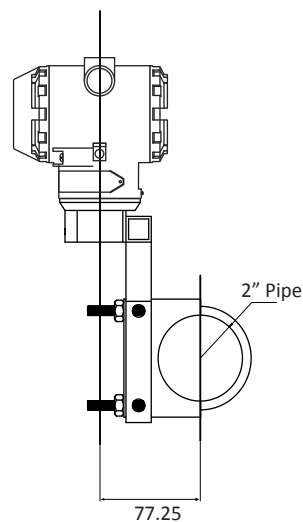
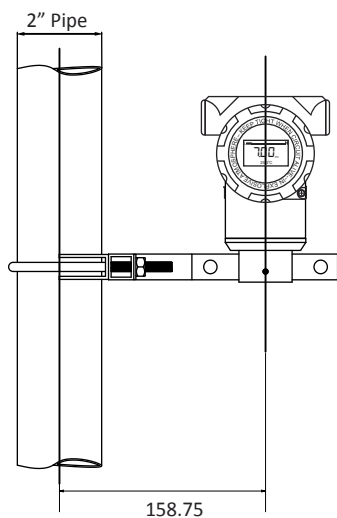
Technical Specifications

Type of Input	From pH / ORP Electrode (Compatible to any make Electrode)
Type of Output	4 - 20 mA, 4 - 20 mA with HART (Generic)
Display	LCD Display
Calibration Range	pH : 0 to 14 pH, ORP : +/-2000mV
Calibration Method	3 Point buffer
Temperature Compensation	RTD PT-100 / RTD PT-1000
Electronics Transmitter Accuracy	pH : +/- 0.05 pH, ORP : +/-3mV
Isolation	1.4 KV between Input, Output & Power Supply
Sensor Connection	1) Through BNC connector 2) Through Terminals
Power Supply	24V DC Two Wire Loop Powered
Power Consumption	< 50 mW
Repeatability	+/-0.05% of SPAN, at 25 °C
Response Time	< 1000 mSec
Temperature Coefficient	+/- 0.05% per °C
Dimensions	155 mm (H) x 105 mm (W) X 130 mm (D)
Electrical Connections	1) M20X1.5 (F) 2) ½" NPT(F)
Electronic Protection Class	Flame Proof CMRI IIA IIB / Weather Proof IP-67
Mounting	2" Pipe Mounting
Weight	1 kg (Approximate)
Ambient Conditions	Temperature -20 to 70 °C / Humidity 5 to 95% non condensing
Housing	Cast aluminum with epoxy coating NEMA 4X / SS316
Flow Through Assembly (Optional)	SS316 / PP
Certification	CE

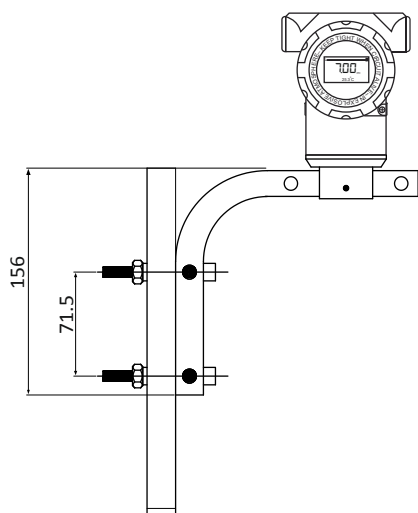
pH 100S

TWO WIRE pH / ORP TRANSMITTER

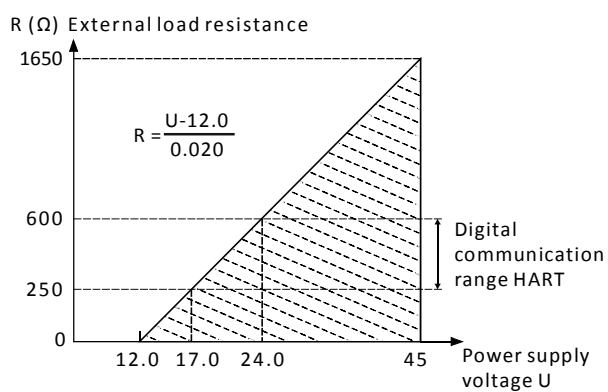
Pipe Mounting Panel



Wall mounting Panel



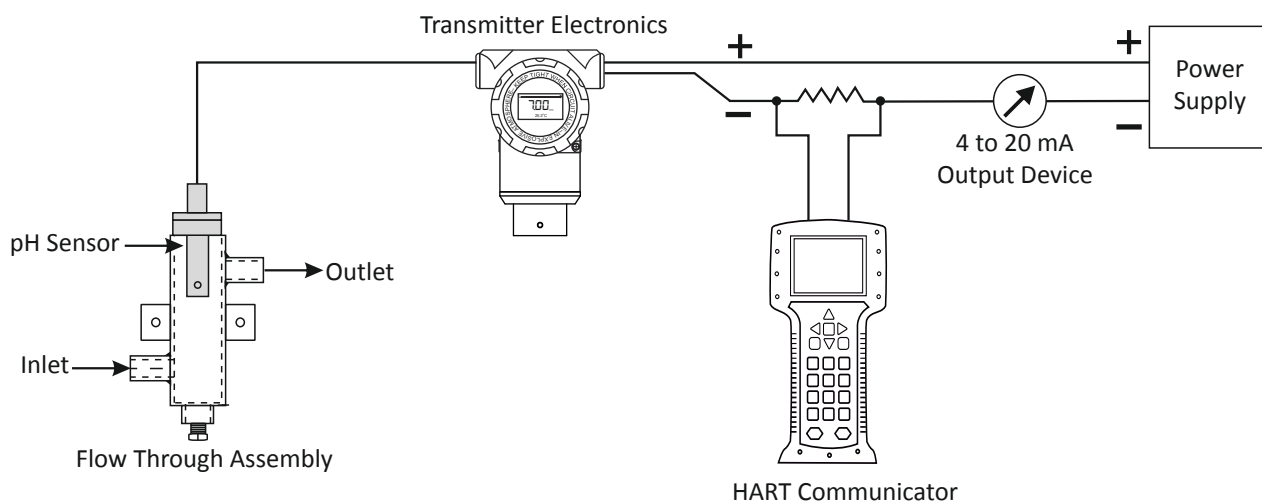
Power Supply & Load Requirements



pH 100S

TWO WIRE pH / ORP TRANSMITTER

Loop Diagram



Ordering Information

Sample Order Code : PH/ORP 100S-A1-B1-C1-D1-E1-F1-G1

Parameter	Code	Description	Parameter	Code	Description
A Mounting Type	A1	Panel Mount (96 X 96)	E Electrical Connection	E1	M20 X 1.5 (F)
	A2	Field Mount (2"Pipe Mount)		E2	1/2" NPT (F)
B Input	B1	pH		E3	M12 Connector
	B2	ORP		EY	Other
C Area Classification - Electronic	C1	Weather Proof IP-54	F Temperature Compensation	F1	RTD PT-100
	C2	Weather Proof IP-67		FY	Other
	C3	Flameproof (CMRI IIA IIB Certified)		FX	NA
D MOC Electronics Enclosure	D1	Aluminium Die Cast PU Painted	G Output 1	G1	4 to 20 mA
	D2	SS-316		G2	4 to 20 mA with HART (Generic)

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.
- Sensor & other accessories to be ordered separately.

This product is meant for laboratory/Process application only and not for custody transfer application.

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