

**SALIENT FEATURES**

- 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-65
- Software calibration with buffer solution.



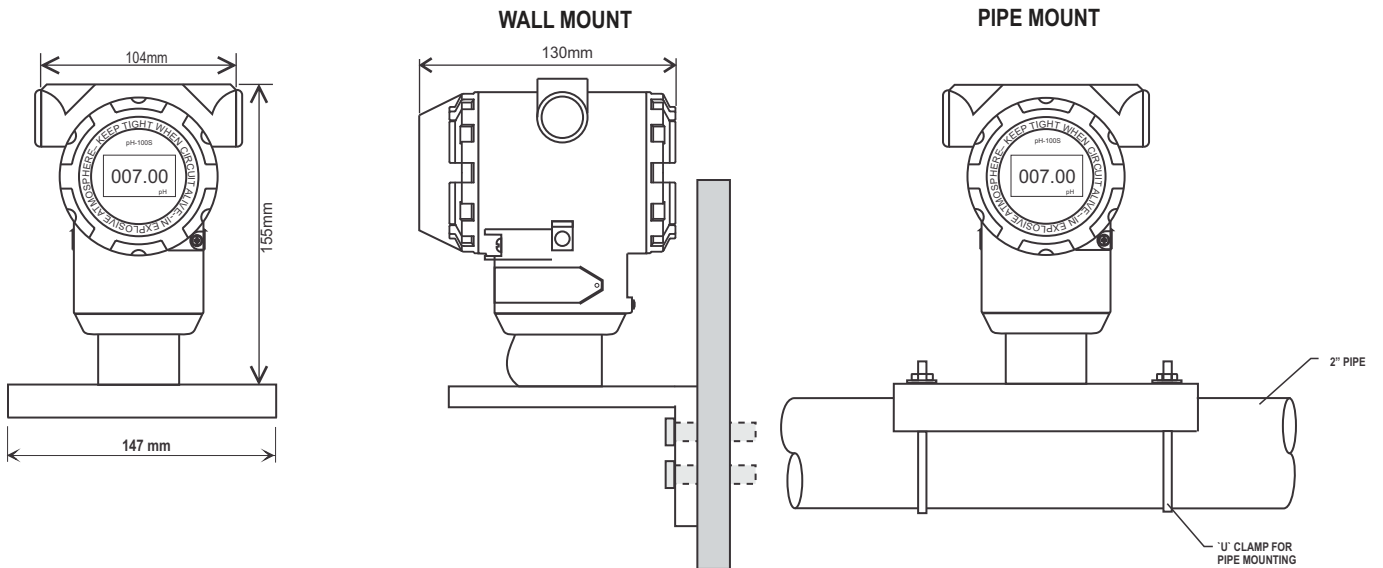
**DESCRIPTION**

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.

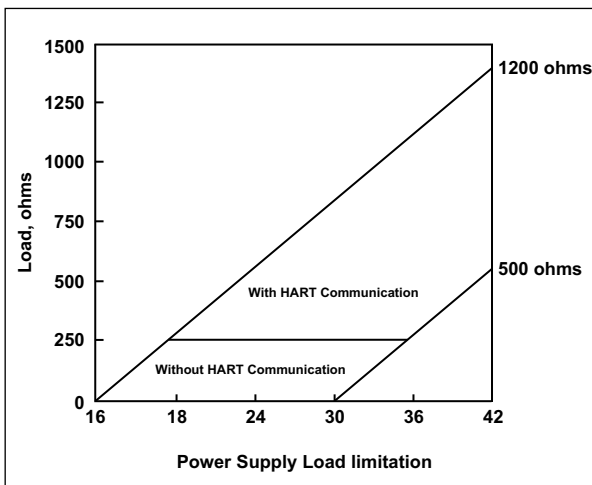
**TECHNICAL SPECIFICATIONS**

Type of Input	:	From pH/ORP Electrode (Compatible to any make Electrode)
Type of Output	:	4-20 mA DC, 2 wire Isolated
Display	:	8 x 1 LCD/COG Graphics LCD
Calibration Range	:	0 to 14 pH /1000 mV
Calibration Method	:	2 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
Process 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	:	± 0.02 pH
Stability	:	0.02 pH per 24 Hours, non- cumulative
Response Time	:	< 1000 ms
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 0 to 55 °C / Humidity 5 to 95% non condensing
Housing	:	Cast aluminium with epoxy coating NEMA 4X (IP-65)
Digital Communication	:	HART
<b>ACCESSORIES (Optional)</b>		
Temperature Compensation Sensor	:	RTD, Pt 100 (0 - 125 °C)
Flow Through Assembly	:	SS / PP
Electrode Cleaning System	:	SS / PP

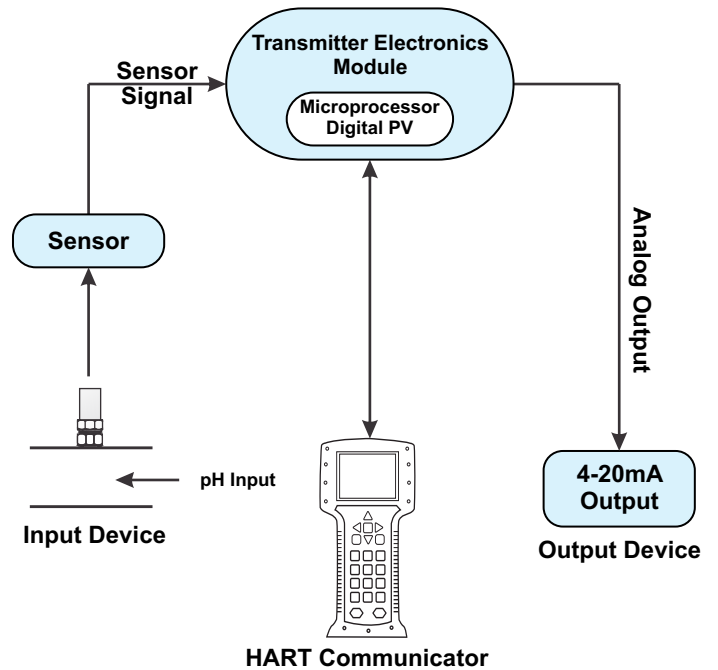
## DIMENSIONAL & MOUNTING DETAILS



## POWER SUPPLY Vs LOAD GRAPH



## LOOP DIAGRAM



## ORDERING INFORMATION

02	SS316	08	Other	02	4-20mA with HART
01	Aluminum Dia cast	01	RTD	01	4-20mA
SERIES	Enclosure	Temperature Compensation		Output	
pH-100	A 01	B	02	C	02

\*Due to our continuous product revisions, Design, Specifications and Model Number are subject to change without notice.  
\*Accuracy defined at lab conditions.

### Authorized Dealer



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