

Technical Specification of Online pH Transmitter

pH

Range	0 – 14 pH, Programmable Span
Resolution	0.01 pH
Accuracy	+/- 0.01 pH
Span	2 pH

mV(ORP)

Range	+/- 2000mV
Resolution	+/-1mV
Accuracy	+/-1mV
Span	200 mV

Temperature

Range	- 20deg.C to +200deg.C
Resolution	0.01 deg.C
Accuracy	Better than 0.5% of full scale
Sensor	Pt 100/Pt 1000
Compensation	Automatic or Manual

Calibration

pH Sensor Slope	70% to 110%
pH Sensor Zero	± 2 pH
Method	Single/Double Point

Diagonostics

Measurement Mode	Temperature Sensor Open Temperature Sensor Short
Calibration Mode	Percentage Slope Error Zero Error Calibration Error

Output

Current Output-pH/mV/HART	Proportional to measured pH/mV. Galvanically isolated from the sensor with Accuracy better than 0.3% of full scale.
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