

PRODUCT INFO

PRODUCT NAME

Online pH/ORP Transmitter

PRODUCT CODE

pHx250

PRODUCT CATEGORY

Analytic Instrumentation

PRODUCT PRICE

Talk with a Serrata Instruments Reseller

APPLICATION GUIDELINES

Online pH measurement is crucial for continuous monitoring of pH levels in industrial processes, water treatment plants, or laboratory applications where real-time data is essential. An online pH transmitter works by automatically measuring and monitoring the pH of a liquid medium through a sensor, which detects whether the substance is acidic or basic. The transmitter sends the measured pH value to a display or a central control system, providing immediate data for process optimization. Regular calibration and electrode maintenance are vital to ensure accurate readings and reliable performance over time, as pH sensors can degrade due to fouling, contamination, or wear.



Reliable pH Transmitters for Continuous Monitoring

The installation of an online pH transmitter begins with the proper selection of the measurement point and the correct placement of the electrode in the process. Common locations include at the outlet of a tank or along a fluid flow path. Ensuring that the sensor is not affected by environmental variables and that the system operates in a stable, clean environment is critical for accurate measurement. Routine maintenance, including cleaning the electrode and verifying signal transmission, is necessary to maintain the device's performance. This ensures that pH levels are monitored accurately, enabling effective process control and the prevention of potential operational issues related to pH fluctuations.

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KEY FEATURES PRODUCT

INTEGRATION AVAILABILITY

- pHx250-G2-A has 2 x 4-20 mA Analog Outputs, 2 x Relay Outputs and Rs485 Modbus

ROBUST DESIGN

- Thanks to IP66 design, pHx250 is suitable to use at harsh environment even industrial applications.

CHARACTERISTIC FEATURES

- Multiple Output options together are standard.

APPLICATION USAGE

- Water Treatment, Process Water, Water Monitoring

INFORMATION

pHx250-G2-A

pH/ORP Measuring Range	0-14 pH / -2000-+2000 mV (probe depended)
Calibration Availability	3 Points (for pH)
Inputs	pH/ORP Probe and Temperature Sensor (Pt1000 or NTC 10K)
Analog Outputs	2 x 4-20 mA (pH/ORP and Temperature)
Relay Outputs	2 x Relay (NO)
Communication	Rs485 Modbus
Mounting Option and Protection	Panel Mount (Wall kit is option), IP66
Dimensions	Front Panel 100x100 mm, H : 120 mm
Display	3,2" LCD Screen, Monocolor, with backlit
Power	100-240 Vac
Functions	Automatic Temperature Compensation

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