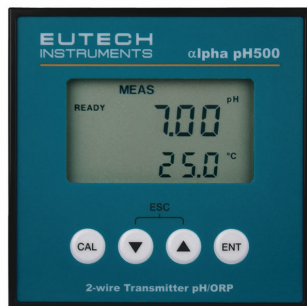




alpha pH 500



Product Features

- ✓ New Design with Isolated Output - The alpha 500 series transmitter prevents output interference due to electrical noise or leakage from the input source. Cross talk between multiple transmitters in the same loop is also eliminated.
- ✓ NIST or USA pH BUFFER options - alpha pH500 Transmitter allows user to select USA (4.01, 7.00 or 10.01) or NIST (4.01, 6.86 or 9.18) pH buffer standards during calibration.
- ✓ Out-of-range Output Current Indicator - Monitor your process effectively using the optional out-of-range current indicator. When the monitored value exceeds the measurement range, the alpha 500 Transmitter indicates an out-of-range measurement by emitting a 3.8 mA output current.
- ✓ Hold Output Current Indicator - Use the optional HOLD output current indicator for your process control purposes. Configure the transmitter to emit the pre-set 22 mA output current to indicate 'HOLD' mode during calibration or set up mode.
- ✓ Symmetrical Mode of Operation - Unique mode available in the Eutech alpha pH500, allow the transmitters to be operated in environments with electrical interferences. Simply configure the transmitter to the symmetrical mode and attach a potential matching pin.
- ✓ Scalable 4/20 mA Current Output - Assign pH or ORP values at 4 and 20 mA for better resolved output at chart recorder or other peripheral devices.
- ✓ Custom Dual Display LCD - Primary and secondary display are available for simultaneous display of pH, ORP and Temperature values. Allows instantaneous viewing of measured readings and transmitter set up configurations.
- ✓ Easy Push Button Operation - Simply calibrate or adjust setup configuration with just a few touches of the buttons. The alpha pH500's intelligent program in prompts respective buffers for easy calibration.
- ✓ Temperature Compensation - Compensates variance in the measured readings due to temperature fluctuations, either Automatically (with Pt 100) or Manually (Process and Calibration temperatures can be set separately).
- ✓ Panel or Wall Mount, IP65 Weatherproof Housing - The alpha 500 series transmitter has the flexibility to be mounted on the wall or in a control panel. In addition, the IP65 rated housing allows the transmitter to be installed outdoors or indoors. Mounting accessories are included for both types of mounting.
- ✓ DC Voltage - Transmitters operate on a 12 to 24V D.C. power supply and multiples can be installed in a serial loop. Operations are not disrupted even if one of the transmitters requires service.



Specifications

Product Specification	Description
pH range	0.00 to 14.00 pH
Resolution & Accuracy	0.01 pH / ± 0.01 pH
mV range	-1000 to 1000mV
Resolution & Accuracy	1 mV / ± 2 mV
Temperature	-10 °C to 110 °C
Resolution & Accuracy	0.1 °C / ± 0.5 °C
Temp. Compensation	Auto (Pt 100) / Manual (0 to 100 °C)
Temp. Coefficient	0 to 10 °C (Selectable)
Calibration Point	Up to 2 points
Calibration Buffers	USA : 4.01, 7.00, 10.01; NIST : 4.01, 6.86, 9.18
Input	Asymmetrical / Symmetrical
Transmitter Output Range	4.0 to 20.0 mA
Over/ Under Range Current Output	3.8 mA : 'ON' selects 3.8 mA 'OFF' selects 4 mA (under range) selects 20mA (over range)
Hold Current Output	22mA : 'ON' selects 22 mA 'OFF' selects last measured current value
Display	Dual Display Custom LCD
Power Requirements	12 to 24 VDC
Load Resistance	Max. 600 W
Ingress Protection	IP65 protection against dust and water jets (Wall or panel mount)
Dimension	96 x 96 x 66 mm (3.78 x 3.78 x 2.6 inch)
Weight	210 g