Online pH Controller

LOPC-A10

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Online pH Controller LOPC-A10 features 1 to 3 points pH calibration system, and 4 to 20 mA output signal transmitter. The large and clear back light LCD displays Calibration and setup values, temperature values, ATC (automatic temperature compensation) values, high and low limit of measurement. The automatic electrode slope display helps user decide when to replace the sensor.

Features

▶ Equipped with industrial pH electrode

▶ 1 to 3 pH calibration points with 'Automatic buffer recognition'

▶ ATC mode for accurate readings over entire range

▶ Low high alarm limits set automatically activate an external device

▶ Selectable temperature units °C or °F for diff. applications

▶ System menu allows setting of up to 9 parameters

▶ Reset features to resumes all setting back to default

▶ Manual temperature calibration improves accuracy

Applications

Used to measure pH in waste water treatment and quality inspection plants, filtration systems, RO treatment water plants, Agriculture, Aquaculture, and research industry.

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Specifications

Model no.	LOPC-A10
pH measurement range	01.00 to 15.00 pH
pH calibration points	1 to 3 points
pH Buffer Solutions	USA (pH 4.01, 7.00, 10.01) or NIST (pH 4.01, 6.86, 9.18)
pH accuracy	± 0.01 pH
pH resolution	0.01 pH
mV measurement range	-1000 to 1000 mV
mV accuracy	± 1 mV
mV resolution	1 mV
Temperature range	0 to 100 °C , 32 to 212 °F
Temperature calibration points	1 point
Temperature calibration range	± 10 °C
Temperature accuracy	± 1 °C
Temperature resolution	0.1 °C
Signal output	4 to 20 mA
Load	Max 500
Low and high alarm limits	1.00 to 10.00 pH, selectable
Connection Interface	RS485
Connection Terminals	Detectable screw terminals
Temperature compensation	Automatic, 0 to 100 °C , 32 to 212 °F
Environmental conditions	Ambient temperature to ≤ 60°C, RH ≤ 80%
Display	LCD
Power	DC 24 V
Dimension (L*W*H)	96 × 96 × 75 mm
Weight	350 g

Standard Accessories

Accessories no.	Name	Qty.
1	Industrial pH electrode	1
2	pH buffer pouches (pH 4.01, 7.00, 10.01)	1