



## Watertight pH, ORP Controller

pH, ORP

### Model 3679N

The updated version of our economical workhorse model 3675, now in a watertight enclosure with upgraded circuitry:

#### Standard Features For Basic pH Or ORP Monitor and Control

Accurate and stable readings.

2 on/off relays for pH or ORP.

Automatic temperature compensated (ATC) pH readings.

Shorting plug selectable to pH or ORP.

Selectable hysteresis settings for customized control.

Isolated 4-20 mA current output for pH or ORP. This output can be used as a proportional output.

DC voltage output for pH/ORP pre-amplifier.

#### Quick And Easy Setup With Potentiometers

Setup and calibration are done on the front panel with durable potentiometers.

Zero point adjust for pH and ORP calibration.

Included panel mount bracket tightly secures the analyzer.

Standard ¼ DIN size.

Standard terminal block for tinned leads connectors. Spade lug connector for pH.

#### Low Maintenance

Controller is in a watertight case (IP65) complete with removable faceplate cover.

## Specifications

### Range

pH	- 0.00 to 14.00 pH
ORP	- 1999 to 1999 mV

### Resolution

pH	0.01 pH
ORP	1 mV

### Accuracy

pH	± 0.03 pH
ORP	± 0.1 % Full Scale

### General

#### pH and ORP:

pH Temp Compensation	Auto 0.0 to 100.0 °C
Input Impedance	>10 <sup>13</sup> ohms
Pre-amplifier Output	± 5 V DC

#### Temperature:

Temperature Sensor	PT-100
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#### 4-20 mA Analog Output:

Current Output Range	4 to 20 mA (isolated)
pH Current Output Range	0.00 to 14.00 pH
ORP Current Output Range	0 to 1400 mV
Maximum Load	550 ohm
Accuracy	± 0.02 mA
Isolation Voltage	500 V DC

#### Relays:

Control Type	2 ON/OFF controls
Relay Output	5 A at 115 V AC or 2.5 A at 220 V AC, resistive load only

#### General:

Power Supply	115 V AC or 230 V AC at 50/60 HZ
Display	12.7 mm high LCD
Ambient Temp. Range	0 to 50 °C
Case	IP65, 1/4 DIN case, 148 mm depth
Weight	910 g

## Accessories

General purpose or custom electrodes

NEMA 4 enclosures

