

# PROCESS ANALYZERS pH/ORP

## Rosemount® Analytical 1056 pH/ORP Controllers

- Available with single or dual electrode inputs
- Wide choice of measurement options—pH/pH, pH/ORP and ORP/ORP
- Automatic buffer and temperature element recognition

The Rosemount Analytical 1056 controllers offer the choice of single or dual sensor input with multiple measurement choices of pH/ORP, pH/pH, ORP/ORP and pH/temp, to name a few.

The 1056 controller has two 4-20 mA outputs that can be independently programmed to correspond to any selected measurement or temperature. Assign the four fully programmable alarm relays to any selected measurement or temperature. You can configure the alarms for high, low or fault alarm operation. The two-line 16-character backlit LCD display can be customized to meet your requirements. The 1056 controller has automatic buffer recognition and can differentiate between Pt 100/1000 Ω RTDs. Models are available with optional HART® and PROFIBUS® DP communication protocols. Contact USABlueBook for more information.

**Note:** 2" pipe mounting the controller requires a mounting kit (stock # 34541).

### Choose from a variety of electrodes

The **396P** and **396PVP** feature a titanium solution ground for use in solutions containing stray currents that can cause erratic readings. Mount them in a pipe, or submerge them using the 1" NPT(M) threading on the top and bottom. The polypropylene body provides good chemical resistance; shrouded tip provides bulb protection.

The **3900** and **3900VP** are double-junction probes for use in solutions containing ammonia, chlorine, sulfides or other poisoning ions. These electrodes are housed in a PPS body with 3/4" NPT(M) and 1" NPT(M) threads on the bottom of the probe and 1" NPT(M) threads on the top for additional flexibility.

Choose from probes with an attached cable or with a Varipol (VP8) connector. VP8 connectors let you easily replace sensors without replacing the cable or rewiring the analyzer. Order VP8 connecting cable separately.

MFR #	DESCRIPTION	STOCK #	EACH
1056-03-22-38-AN	Single Electrode pH/ORP Controller	34530	\$
1056-03-22-32-AN	Dual Electrode pH/ORP Controller	34531	

### pH & ORP ELECTRODES WITH CABLE

396P-02-10-55-41	396P pH Electrode, 15'L Cable	51237	\$
396P-02-12-55	396P ORP Electrode, 15'L Cable	51238	
3900-02-10	3900 pH Electrode, 15'L Cable	40838	
3900-02-12	3900 ORP Electrode, 15'L Cable	40839	

### pH & ORP ELECTRODES WITH VP8 CONNECTOR (ORDER CABLE SEPARATELY)

396PVP-10-55	396PVP pH Electrode, VP8 Connector	34536	\$
3900VP-02-10	3900VP pH Electrode, VP8 Connector	40841	
3900VP-02-12	3900VP ORP Electrode, VP8 connector	40842	

### pH & ORP ELECTRODES WITH PREAMPLIFIER & CABLE

396P-01-10-55	396P pH Electrode, 25'L Cable	34535	\$
396P-01-12-55	396P ORP Electrode, 25'L Cable	34537	
3900-01-10	3900 pH Electrode, 32'L Cable	40836	
3900-01-12	3900 ORP Electrode, 32'L Cable	40837	

### pH & ORP ELECTRODES WITH PREAMPLIFIER & VP8 CONNECTOR (ORDER CABLE SEPARATELY)

3900VP-01-10	3900VP pH Electrode, VP8 Connector	40843	\$
3900VP-01-12	3900VP ORP Electrode, VP8 Connector	40844	
396PVP-10-55-70	396PVP pH Electrode, VP8 Connector	34583	

### CABLE WITH VP8 CONNECTOR

24281-00	15'L Cable	40846	\$
24281-07	20'L Cable	40847	
24281-08	30'L Cable	40848	
24281-03	50'L Cable	40849	

### ACCESSORIES FOR CONTROLLERS & SENSORS

23554-00	Cable Glands, Pack of 5	34540	\$
23820-00	Controller Pipe Mounting Kit, 2"	34541	
24091-00	Low Flow Cell	51220	
23555-00	Junction Box, 12 Terminals, With Pre Amp	32058	
23550-00	Junction Box, 12 Terminals, No Pre Amp	32057	
9200273-25	Extension Cable for Pre Amp, 25'L	34538	
9200273-50	Extension Cable for Pre Amp, 50'L	34539	
915240-03	2" Flow-Through Tee, 3/4" NPT(F)	51263	
915240-04	2" Flow-Through Tee, 1" NPT(F)	34522	
915240-05	2" Flow-Through Tee, 1 1/2" NPT(F)	34523	
24263-00	Input Card Kit (Adds 1 pH/ORP/ISE Input)	13558	

**ROSEMOUNT**  
Analytical



Electrode with Cable  
40836



Electrode with  
VP8 Connector  
40841



pH Electrode  
with Preamplifier  
& Cable 34535



<b>Range:</b>	0 to 14 pH, ±1,400 mV ORP
<b>Accuracy:</b>	±0.01 pH, ±2.0 mV ORP
<b>Resolution:</b>	0.01 pH, 0.1 mV ORP
<b>Display:</b>	backlit LCD
<b>Control type:</b>	on-off or proportional (4-20 mA)
<b>Analog output:</b>	two 0-20 or 4-20 mA isolated outputs
<b>ATC element:</b>	Pt 100 or Pt 1000Ω RTD
<b>Control relays:</b>	4 SPDT relays 115 VAC @ 5A resistive
<b>Power:</b>	85-265 VAC, 47.5-65.0 Hz
<b>Enclosure:</b>	NEMA 4X/IP65, polycarbonate body
<b>Approvals:</b>	CE, CSA, FM