

pH and ORP Indicator with LED Alarm Signals



HI 981406 has been specially designed for water treatment and swimming pool applications where both pH and ORP (Oxidation Reduction Potential) need to be monitored. Instead of having to source two different meters and worry about wiring and compatibility, you can now continuously measure both pH and ORP with HI 981406.

There are two separate setpoints for pH and ORP which the operator can adjust at will. Once the pH setpoint is exceeded, the appropriate LED light will come on to alert the operator. Likewise, once the ORP level drops below the setpoint, the red ORP light will stay on. HI 981406 is supplied with HI 1283 ground probe. The HI 1283 ground probe provides you with more reliable readout. It basically prevents currents which are prevalent in pools from disturbing the measurements. The optional HI 2114P/2 pH electrode and HI 3214P/2 ORP electrode are specially designed for the swimming pool market. Their purpose-built fiber salt-bridge is particularly resistant to clogging in pools.



Specifications

		HI 981406
Range	pH	0.0 to 14.0 pH
	ORP	-999 to 999 mV
Resolution	pH	0.1 pH
	ORP	1 mV
Accuracy (@20°C/68°F)	pH	±0.2 pH
	ORP	±5 mV
pH calibration	manual, 1 or 2 points	
Setpoints	pH: adjustable from 5.0 to 9.0 pH; ORP: adjustable from 350 to 850 mV	
Alarms	2 red LEDs (1 for pH and 1 for ORP), light up for pH value > setpoint and/or ORP value < setpoint	
Probes	HI 2114P/2 replaceable pH electrode (not included); HI 3214P/2 replaceable ORP electrode (not included); HI 1283 potential matching pin with 2 m (6.6') cable (included)	
Input impedance	10 ¹² Ohm	
Power supply	12 Vdc adapter (included)	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions	165 x 110 x 35 mm (6.4 x 4.3 x 1.4")	
Weight	300 g (10.6 oz.)	

Ordering Information

HI 981406 is supplied complete with HI 1283 grounding bar, pH calibration solutions (20 mL each), calibration screwdriver, 12 Vdc power adapter and instructions.

Accessories

HI 2114P/2	pH electrode with plastic body, BNC and 2 m (6.6') cable	HI 7020M	200-275 mV calibration solution, 230 mL
HI 3214P/2	ORP electrode with plastic body, BNC and 2 m (6.6') cable	HI 7091M	Pretreatment reducing solution 230 mL
HI 1283	Grounding bar, stainless steel, 2 m (6.6')*	HI 7092M	Pretreatment oxidizing solution 230 mL
HI 70000P	Rinse solution 20 mL sachet, 25 pcs	HI 70300M	Storage solution, 230 mL
HI 70004P	pH 4 calibration solution 20 mL sachet, 25 pcs	HI 7061M	Electrode cleaning solution, 230 mL
HI 70007P	pH 7 calibration solution 20 mL sachet, 25 pcs	HI 710005	115 Vac/12 Vdc power adapter
		HI 710006	230 Vac/12 Vdc power adapter

*Replaceable by technical personnel only.

For a complete range of calibration, cleaning and maintenance solutions, see section F. For EC/TDS probes, see section U.