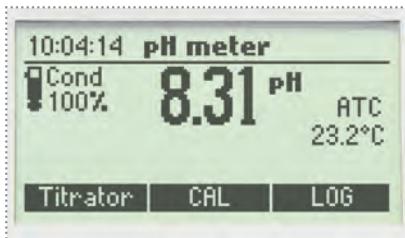


**Easy and clear measurement**

The HI 84430 is a single parameter titrator designed to measure total acidity in a few easy steps. The HI 84430 displays the results directly on the screen in user selectable units.

**pH meter with electrode condition on display**

The HI 84430 features a pH meter. The HI 84430 also displays the electrode condition on the LCD using HANNA's exclusive electrode diagnostics.

**Peristaltic pump**

The HI 84430 features a precision peristaltic based titrant delivery system.

The titrant only makes direct contact with the titrant tubing and not the pump interior to virtually eliminate titrant contamination ensuring a long pump operating life.

**SPECIFICATIONS****HI 84430**

Range	Titratable Acidity (LR)	mg/L (ppm): 15.0 - 500.0 mg/L (ppm) as CaCO <sub>3</sub> meq/L: 0.3 - 10.0 meq/L as CaCO <sub>3</sub>
	Titratable Acidity (HR)	mg/L (ppm): 400 - 4000 mg/L (ppm) as CaCO <sub>3</sub> meq/L: 8 - 80 meq/L as CaCO <sub>3</sub>
	pH	-2.0 to 16.0 pH / -2.00 to 16.00 pH
	Temperature	-20.0 to 120.0 °C (-4.0 to 248.0 °F)
Resolution	Titratable Acidity (LR)	0.1 mg/L (ppm); 0.1 meq/L
	Titratable Acidity (HR)	1 mg/L (ppm); 1 meq/L
	pH	0.1 pH / 0.01 pH
	Temperature	0.1 °C
Accuracy (@25°C/77°F)	Titratable Acidity (LR)	5% of reading
	Titratable Acidity (HR)	5% of reading
	pH	± 0.01 pH
	Temperature	± 0.4 °C without probe error
Titration Method	acid-base titration (total acidity / strong acidity)	
Titration Principle	endpoint titration : 8.30 pH / 3.7 pH	
Pump Volume	0.5 mL/min	
Stirring Speed	600 rpm	
pH Temperature Compensation	manual or automatic from -20 to 120 °C (-4 to 248 °F)	
Logging	Titration	up to 50 samples
	pH	up to 50 samples
pH Calibration	one, two or three point calibration; three available buffers (1.68, 4.01; 8.30)	
pH Electrode	HI 1131B glass body pH electrode with BNC connector and 1 m (3.3') cable	
Temperature Probe	HI 7662-M stainless steel temperature probe with 1 m (3.3') cable(included)	
Environment	0 to 50 °C (32 to 122 °F); max 95% RH non-condensing	
Power Supply	12 VDC adapter	
Dimensions	208 × 214 × 163 mm (8.2 × 8.4 × 6.4") (with beaker)	
Weight	2200 g (77 oz.)	

**ORDERING INFORMATION**

HI 84430-01 (115V) and HI 84430-02 (230V) are supplied with HI 1131B pH electrode, HI 7071 filling solution (30 mL), HI 7662-M temperature probe, HI 84430-50 titrant low range (100 mL), HI 84430-51 titrant high range (100 mL), HI 84430-55 pump calibration solution (230 mL), HI 84430 additional reagent (30 mL), HI 7061 cleaning solution, HI 7001M pH 1.68 buffer solution (230 mL), HI 7004M pH 4.01 buffer solution (230 mL), HI 7008M pH 8.30 buffer solution (230 mL), 100 mL beakers (2), tube set with dispensing tip, medium stir bars (2), 12 VDC adapter, instruction manual and quick reference guide.

**ACCESSORIES**

- HI 84430-50 Titrant solution for Low Range, 100 mL
- HI 84430-51 Titrant solution for High Range, 100 mL
- HI 84430-55M Pump calibration solution, 230 mL
- HI 84430-58 Additional reagent, 30 mL
- HI 84430-70 Reagents kit for low and high range (about 150 titrations)
- HI 84430-71 Reagents kit for low range (about 150 titrations)
- HI 84430-72 Reagents kit for high range (about 150 titrations)
- HI 70483T Tube set with cap for titrant bottle and tip
- HI 731319 Stir bar, 25 x 7 mm (10)
- HI 731342 Pipette for automatic dosage, 2000 µL
- HI 731352 Tip for 2000 µL graduated pipette (4)
- HI 731341 Pipette for automatic dosage, 1000 µL
- HI 731351 Tip for 1000 µL graduated pipette (25)