

pH and mV Precision Simulators

- Simulate output to discover malfunctions
- Simulate temperature
- Provided with universal BNC connector

HI 8427 is designed specifically to simulate pH and ORP electrodes to confirm proper functioning of your meter. Standard pH electrode ranges are selectable with a dial on the front panel.

Provided with a universal BNC connector, this unit is also a high impedance tester, for cable and connector inspection with a leakage sensitivity of 10^9 ohm. This unique tester is a "one of a kind" in the industry that eliminates the need for very expensive $M\Omega$ meters.

Sometimes it is difficult to recognize whether a particular malfunction is due to the meter or the electrode. By simply connecting **HI 931001** to your meter's input socket and turning the dials, pH readings can be simulated from 0 to 14 pH in 0.01 steps. The output signals all correspond to pH values at 25°C and your pH meter should be able to check the span of your pH meter.

For the mV range, HI 931001 can simulate output from -1000 to +1000 mV in 1 mV steps.



HI 710010
Shockproof Boot

ORDERING INFORMATION

HI 8427 and HI 931001 are supplied with HI 785B/1 BNC/BNC coaxial cable

ELECTRODES

HI 7863	DIN/BNC connection cable, 1 m (3.3')
HI 785B/1	BNC/BNC connection cable, 1 m (3.3')
HI 785B/3	BNC/BNC connection cable, 3 m (9.8')
HI 785B/5	BNC/BNC connection cable, 5 m (16.4')
HI 785B/10	BNC/BNC connection cable, 10 m (33')
HI 785B/15	BNC/BNC connection cable, 15 m (49')

ACCESSORIES

HI 710009	Shockproof rubber boot, blue
HI 710010	Shockproof rubber boot, orange
HI 710001	Soft carrying case
HI 721316	Rugged carrying case



SPECIFICATIONS	HI 8427	HI 931001	
Range	pH	0, 2, 4, 7, 10, 12, 14	0.00 to 14.00
	mV	-1900, -350, 350, 1900	-1000 to 1000
Resolution	pH	-	0.01
	mV	-	1
Accuracy (@ 20°C)	pH	±0.1	±0.01
	mV	±5	±1
Impedance test	10^9 Ohm	-	
Temperature Compensation	manual, 0 to 50°C (32 to 122°F)	all output values are simulated at 25°C	
Battery Type / Life	9V / approximately 100 hours of use	9V / approximately 500 hours of use	
Environment	0 to 50°C (32 to 122°F) RH max 95%		
Dimensions	185 x 82 x 53 mm (7.3 x 3.2 x 2.1")		
Weight	255 g (9.0 oz.)	320 g (11.3 oz.)	