# HI 8427 High Impedance Tester for pH and ORP Electrode Cable

- Electrode Emulation at pH 0, pH 2, pH 4, pH 7, pH 10, pH 12, pH 14 confirms pH meter performance.
- Manual temperature compensation allows temperature simulation.
- High impedance testing of cable and connectors.
- Suggested Retail Price:

**HI 8427** Designed specifically to simulate pH & ORP electrodes and to confirm proper functioning of your meter. Standard pH electrode ranges are selectable with a dial on the front panel. The pH range is pH 0, pH 2, pH 4, pH 7, pH 10, pH 12, pH 14 with the mV range being -1900 mV, -350 mV, +350 mV and +1900 mV. Manual temperature compensation from 0 to 50°C (32 to 122°F) allows temperature simulation. Provided with a universal BNC connector, this unit is also a high impedance tester, for cable and connector inspection with a leakage sensitivity of $10^{12}$ ohms. The unique tester is a "one of a kind" in the industry that eliminates the need for very expensive megaohm meters. The HI 8427 comes supplied complete with a BNC/BNC cable.

**Available cables & connectors:**

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|---|---|---|
| **HI 7858/1** | 3.3' | (1m) cable, BNC / BNC (supplied) |
| **HI 7858/3** | 10' | (3m) cable, BNC / BNC |
| **HI 7858/5** | 16.5' | (5m) cable, BNC / BNC |
| **HI 7859/1** | 3.3' | (1m) cable, BNC / DIN |
| **HI 7859/3** | 10' | (3m) cable, BNC / DIN |
| **HI 7859/5** | 16.5' | (5m) cable, BNC / DIN. |
| **HI 7861/1** | 3.3' | (1m) cable, BNC / Spade Lugs |
| **HI 7861/3** | 10' | (3m) cable, BNC / Spade Lugs |
| **HI 7861/5** | 16.5' | (5m) cable, BNC / Spade Lugs |

**Specifications:**

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|---|---|---|
| **Ranges:** | **pH** | 0 to 14 in increments of 0,2,4,7,10,12,14 |
| | **mV** | -1900 to +1900 in increments of -1900,-350,350,+1900 |
| **Temp.Compensation:** | | Manual from 32 to 122°F (0 to +50°C) |
| **High Impedance Test:** | | $10^9$ohm |
| **Accuracy:** | | pH: ±0.1 mV: ±5 |
| **Power Supply:** | | 9 volt battery, Life: 100 hrs with continuous use |
| **Environment Temp.:** | | 32 to 122°F (0 to 50°C) |
| **Dimensions:** | | 7.1 x 3.3 x 1.6" (180L x 83W x 40Hmm) |
| **Weight:** | | 9 oz. (255 g) |