HI 9026W Portable Meter

pH & TEMPERATURE IN WINE

HANNA® instruments

With Great Products, Come Great Results™

HI 9026W
Portable Meter
pH AND TEMPERATURE IN WINE

$445.00
ESTIMATED RETAIL PRICE

1 Recognizing dirty pH electrodes
In the process of wine making, most pH measurements are made in the must. A pH electrode gets dirty rapidly when measuring the pH of must because sediments deposit on the pH measuring bulb and on the pH electrode junction. This becomes a big problem during the actual pH measurement, and even after, if the electrode has not been properly cleaned. Simply, a dirty pH electrode can give results that are up to 0.5 pH inaccurate — even after a pH calibration has just been performed.

2 Knowing when to clean pH electrodes
Conventional pH meters do not warn the user when the pH electrode is dirty. A common example of this occurs just after calibrating the instrument — the pH electrode is immersed into the pH 7 buffer and the reading is lower than expected (pH 6.8 or 6.9 instead of 7.0). **HI 9026W** uses HANNA's unique technology to detect when the electrode is dirty and gives a warning during calibration.

3 Cleaning pH electrodes
It is of the utmost importance to properly clean the pH electrode prior to use. A proper cleaning of the electrode must be done with appropriate cleaning solutions in order to remove all the deposits on the sensitive bulb and junction. **HI 70635** (wine deposits removal) and **HI 70636** (wine stain removal) are tailored made cleaning solutions that remove all deposits from your pH electrode and will guarantee your measurements are always accurate and your pH electrode will last a long time. HANNA is the only manufacturer to offer tailor made cleaning solutions for winemaking.

HI 9026W Features

- Electrode monitoring
- **7 memorized buffers** for calibration
- **Custom calibration** with two custom buffers
- Display hold and memory storage
- **Real time clock** for accurate calibration monitoring
- User-selectable calibration reminder
- Extended pH and temperature ranges
- Measures in °C or °F
- Backlit, Dual-level LCD
- Waterproof casing
- **Supplied ready to use** in a hard carrying case

Calibration Check™ System

Clean Electrode

Each time pH calibration is performed, the meter internally compares the new calibration with the one previously stored. When this comparison indicates a significant difference, the clean message blinks on the LCD to advise the user that the pH electrode may need to be cleaned and another calibration will need to be performed.

Expired Calibration

The instrument is provided with a real time clock (RTC) in order to monitor the time elapsed since the last pH calibration. The RTC is reset every time the meter detects a calibration time-out. The CAL tag will start blinking to warn the user that the meter should be calibrated.

Electrode Condition

The HI 9026W display features a bargraph which provides the status of the electrode after calibration. The bargraph remains active for 12 hours after calibration, then only the frame is shown on the display.

81 to 100% Life

61 to 80% Life

41 to 60% Life

21 to 40% Life

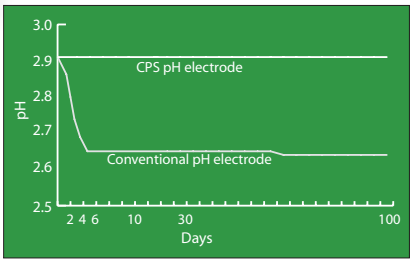
1 to 20% Life

0% Life

HI 1048B Hanna's CPS™ Electrode for Wine Measurement

CPS™ (Clogging Prevention System) is HANNA's latest innovation in pH electrode technology. Conventional pH electrodes use ceramic junctions that clog quickly when used with wine. When the junction is clogged the electrode does not function. CPS™ technology utilizes the porousness of ground glass coupled with a PTFE sleeve to prevent clogging of the junction. The ground glass allows proper flow of the liquid, while the PTFE sleeve repels dirt. As a result of HANNA's new CPS™ technology, pH electrodes stay fresh for up to 20 times longer than conventional electrodes.

Effects of dirty pH electrode junctions (conventional pH electrode) vs. CPS pH electrode.



After a few days conventional electrodes are already contaminated while the CPS™ pH electrode remains clean for over 100 days.

Tailor-made Calibration for Wine with pH 3.00 Buffer

HI 9026W allows for 2 point pH calibration by using buffers 3 and 7. The ability to calibrate at pH buffer 3.00 reduces errors due to calibration.

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Ordering Information

HI 9026W is supplied complete with HI 1048B CPS™ pH electrode, HI 7662 temperature probe, pH 3 & pH 7 buffer sachets (20 mL ea.), wine stains and deposits cleaning solution sachets (20 mL ea.), 100 mL plastic beaker, batteries, rugged carrying case and instructions.

Specifications	HI 9026W
Range	-2.00 to 16.00 pH; ±699.9 mV; ±1999 mV; -20.0 to 120.0°C/-4.0°F to 248.0°F
Accuracy (@20°C)	±0.01 pH; ±0.2 mV; ±1 mV; ±0.4°C; ±0.8°F (excluding probe error)
Resolution	0.01 pH; 0.1 mV, 1 mV; 0.1°C/±0.1°F
Typical EMC Deviation	±0.02 pH; ±0.2 mV/±1 mV; ±0.4°C/±0.8°F
Calibration Check	Check of the electrode status during calibration
pH Calibration	Automatic, 1 or 2 points with 7 memorized buffer values (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) + 2 custom buffers
Offset Calibration	±1 pH
Slope Calibration	From 80 to 108%
Temperature Compensation	Automatic, from -20.0 to 120.0°C (-4 to 248°F) or manual, without temperature probe
pH electrode	HI 1048B glass-body combination, BNC with CPS™ (included)
Temperature probe	HI 7662 stainless steel probe with 1 m (3.3') cable (included)
Input impedance	10^{12} ohm
Battery Type/Life	(4) 1.5V AA/approx. 500 hours of continuous use (without backlight); Auto-off after 20 min. of non-use (can be disabled)
Environment	0 to 50°C (32 to 122°F); 100% RH
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4")
Weight	500 g (1.1 lb.)

Recommended Accessories

HI 5003 pH 3.00 Buffer Solution @ 25°C, 500 mL (1 pint)
HI 7007L pH 7.01 Buffer Solution @ 25°C, 500 mL (1 pint)
HI 70300L Storage Solution, 500 mL (1 pint)
HI 70635L Cleaning solution for wine deposits, 500 mL (1 pint)
HI 70636L Cleaning solution for wine stains, 500 mL (1 pint)
HI 7082 3.5M KCl Electrolyte, 4 x 30 mL, for double junction electrodes

3 year LIMITED WARRANTY

Authorized Distributor

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ISO 9001 CERTIFIED

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