

# Splashproof, portable pH, mV & °C meter

part no: HI 8424

pH • pH • pH • pH • pH

## Popular portable pH

All you  
need in a  
portable pH  
meter ...

Robust splashproof casing . . . . .

Clear LCD display with low  
battery indicator . . . . .

Keyboard sealed against  
water & dirt . . . . .

- HOLD function freezes readings for ease of recording

Calibration, temperature  
compensation and  
buffer recognition are all  
automatic . . . . .

- Three standard buffer values
- Calibration tags on LCD

Auto shut-off . . . . .



### Inexpensive and easy to use

One of the most popular pH meters on the market, this splashproof, portable meter delivers fast, accurate pH, ORP and temperature measurements.

Not only does it offer a 0.01 pH resolution across the pH scale, but it is also easy to use without constant reference to an instruction manual.

Calibration is automatic at one or two points with three memorised buffer values – pH 4.01, 7.01, 10.01.

Once the instrument has been calibrated, the buffer values used during calibration are displayed with tags on the display screen.

This keeps users informed of the current calibration and helps to avoid taking measurements that are out of range.

## Supplied with

HI 1230B pH electrode

HI 7662 temperature probe

HI 70004 pH 4.01 buffer solution sachet

HI 70007 pH 7.01 buffer solution sachet

HI 700661 electrode cleaning solution  
sachets x 2

Battery, protective case and instructions

## Specifications

|                          |                    |                                                                                                                  |
|--------------------------|--------------------|------------------------------------------------------------------------------------------------------------------|
| Product Code             |                    | HI 8424                                                                                                          |
| Range                    | pH                 | -2.00 to 16.00 pH                                                                                                |
|                          | mV                 | ±699.9 mV; ±1999 mV                                                                                              |
|                          | Temperature        | -20.0 to +120.0°C                                                                                                |
| Resolution               | pH                 | 0.01 pH                                                                                                          |
|                          | mV                 | 0.1 mV; 1 mV                                                                                                     |
|                          | Temperature        | 0.1°C                                                                                                            |
| Accuracy                 | pH                 | ±0.01 pH                                                                                                         |
|                          | mV                 | ±0.2 mV; ±1 mV                                                                                                   |
|                          | Temperature        | ±0.4°C                                                                                                           |
| pH Calibration           |                    | automatic, 1 or 2 point with 3 memorized buffer values (4.01, 7.01, 10.01)                                       |
|                          | Offset Calibration | ±1 pH                                                                                                            |
|                          | Slope Calibration  | 75 to 110%                                                                                                       |
| Input Impedance          |                    | 1012 Ohm                                                                                                         |
| Temperature Compensation |                    | Automatic, -20 to 120°C or manual without temperature probe                                                      |
| pH Electrode             |                    | HI-1230B, double junction, gel filled PEI (PolyEther-Imide) body, BNC connector, 1m cable (included)             |
| Temperature Probe        |                    | HI-7669AW with 1 m cable (included)                                                                              |
| Battery Type / Life      |                    | 1 x 9V / approx. 150 hours of continuous use; auto-off after 20 minutes of non-use or disabled (user-selectable) |
| Environment              |                    | 0 to 50°C ; RH max 100%                                                                                          |
| Dimensions / Weight      |                    | 164 x 76 x 45 mm / 180 g                                                                                         |

## Want to test Redox/ORP?

Order part number HI 3230B Redox/ORP probe to obtain Redox/ORP readings in the mV range.



*Spare electrodes  
and solutions  
available for  
this meter*

## HI 180 series



Yellow: HI 180A

## Compact magnetic stirrers

The HI 180 is a compact and lightweight magnetic stirrer which incorporates electronic controls allowing the user to regulate the speed with precision.

In addition to speed control, Hanna's Speedsafe system will assure that the maximum speed is never exceeded.

Choose from four colours:



Light Blue: HI 180C



Green: HI 180E



Blue: HI 180F



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.