

## Elcometer 148

## pH Tester



**STANDARDS:**  
ASTM E 70

pH is the measure of acidity of a liquid. The pH scale ranges from 0 to 14pH - where 0pH is acidic and 14pH is alkaline. This simple, easy to use instrument measures both pH and temperature using a single sensor.

In many industries, pH measurement is critical to the correct performance of processes. pH is temperature dependent thus the temperature of the sample under test will affect the pH value recorded.

The Elcometer 148 sensor has automatic temperature compensation, ensuring like-for-like measurements can be taken for meaningful comparison of the results.

The condition of the sensor is automatically monitored after each successive calibration and sensors can be easily replaced by the user as and when required.

- Simultaneously displays pH and temperature.
- Measurement hold / freeze function.
- Record maximum and minimum readings over a series of tests.
- °C / °F user switchable.
- Waterproof to IP57 and floats on water.
- Auto power off.
- Battery level indicator.

### Technical Specification

Part Number	Description
H148-----1	Elcometer 148 pH Tester
	pH
Range	0 to 14pH
Resolution	0.01pH
Accuracy	±0.03pH
Battery	4 x 1.5v AAA
Calibration	3 point at 7pH, 4pH and 9pH
Dimensions	195 x 40 x 36mm (7.7 x 1.6 x 1.42")
Weight	150g (5.3oz)
Packing List	Elcometer 148 pH Tester, pH/Temperature sensor, 4 x AAA batteries, wrist strap, 4pH calibration sachet, 7pH calibration sachet and operating instructions.

### Accessories

T14821766	pH/Temperature Sensor
T14821768-1	4pH Buffer Solution for Calibration: Capsules, Pack of 10
T14821768-2	7pH Buffer Solution for Calibration: Capsules, Pack of 10
T14821768-3	9pH Buffer Solution for Calibration: Capsules, Pack of 10
T14821767-1	4.01pH Buffer Solution for Calibration: 100ml (3.38 fl oz) Bottle
T14821767-2	7pH Buffer Solution for Calibration: 100ml (3.38 fl oz) Bottle
T14821767-3	10.01pH Buffer Solution for Calibration: 100ml (3.38 fl oz) Bottle