

# Elcometer 148 pH Meter

Can be used in accordance with: ASTM E 70



The Elcometer 148 pH Tester is a simple, easy to use pH meter designed to measure both the acidity of liquids (pH) and temperature using a single sensor.

In many industries, pH measurement is critical to the correct performance of processes. 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. 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.

- 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

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.

## Technical Specifications

Model	Description	
H148----1	Elcometer 148 pH Tester	
	<b>pH</b>	<b>Temperature</b>
Range	0 to 14pH	0 to 89°C
Resolution	0.01pH	0.1°C
Accuracy	±0.03pH	±0.5°C
Battery Type	4 x AAA batteries	
Calibration	3 point at 4pH, 7pH, and 10.01pH	
Dimensions	195 x 40 x 36mm	
Weight	150g	

## Packing List

- Elcometer 148 pH Tester
- pH/Temperature sensor
- 4 x AAA batteries
- wrist strap
- 4pH calibration sachet
- 7pH calibration sachet
- 10pH calibration sachet
- Operating instructions

## Part Numbers

<b>Model</b>	<b>Description</b>
T14821766	pH/Temperature Sensor
T14821768-1	4pH Buffer Solution for Calibration; Pack of 10 Capsules
T14821768-2	7pH Buffer Solution for Calibration; Pack of 10 Capsules
T14821768-3	9pH Buffer Solution for Calibration; Pack of 10 Capsules
T14821767-1	4.01pH Buffer Solution for Calibration; 100ml Bottle
T14821767-2	7pH Buffer Solution for Calibration; 100ml Bottle
T14821767-3	10.01pH Buffer Solution for Calibration; 100ml