

# Elcometer 148 pH Tester



Elcometer 148 pH Tester

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.

### Inspectors Accessories

Elcometer offers a range of inspection accessories and visual comparison manuals specifically for the coatings inspector.

Elcometer also provides a range of Pictorial Surface Standards for blast cleaning incorporating standards for BS, ISO, SIS and SSPC.

### At a glance:

- °C/°F switchable
- Displays temperature and pH
- Automatic temperature compensation
- Sensor can be easily replaced by the user

Can be used in accordance with:  
ASTM E 70

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		
	pH	Temperature
Range	0 to 14pH	0 to 89°C (32 to 192°F)
Resolution	0.01pH	0.1°C (0.1°F)
Accuracy	±0.03pH	±0.5°C (±1°F)
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)	
Part Number	H148----1 Elcometer 148 pH Tester	
Packing List	Elcometer 148 pH Tester, pH/Temperature sensor, 4 x AAA batteries, wrist strap, 4pH calibration sachet, 7pH calibration sachet and operating instructions.	

SPARES & ACCESSORIES	
pH/Temperature Sensor	T14821766
4pH Buffer Solution for Calibration: Capsules, Pack of 10	T14821768-1
7pH Buffer Solution for Calibration: Capsules, Pack of 10	T14821768-2
9pH Buffer Solution for Calibration: Capsules, Pack of 10	T14821768-3
4.01pH Buffer Solution for Calibration: 100ml Bottle	T14821767-1
7pH Buffer Solution for Calibration: 100ml Bottle	T14821767-2
10.01pH Buffer Solution for Calibration: 100ml Bottle	T14821767-3

## Related Products



Elcometer 130

### Elcometer 130 Salt Contamination Meter

Soluble salts on a surface are absorbed into a special filter paper soaked with distilled water. The Elcometer 130 measures the conductivity of the wet paper, calculates the salt level and displays it in  $\mu\text{g}/\text{cm}^2$ .



Elcometer 138

### Elcometer 138 Bresle Salt Kit

It is essential that the level of contaminants on a surface is measured prior to the application of the coating to ensure the quality of the coating and that its optimum lifetime is achieved.



Elcometer 138/2

### Elcometer 138/2 Surface Contamination Kit

The Elcometer 138/2 provides the user with a means for testing invisible surface contaminants including pH, chloride ions, iron and salts.

## ENGLAND

Elcometer Limited  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0)161 371 6000  
Fax: +44 (0)161 371 6010  
e-mail: sales@elcometer.com  
www.elcometer.com

## USA

Elcometer Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: inc@elcometer.com  
www.elcometer.com

## ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: asia@elcometer.com  
www.elcometer.com

## BELGIUM

Elcometer SA  
Rue Vallée 13  
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: be\_info@elcometer.be  
www.elcometer.be

## NETHERLANDS

Elcometer NL  
Newtonlaan 115  
3584 BH Utrecht

Tel: +31 (0)30 210 7005  
Fax: +31 (0)30 210 6666  
e-mail: nl\_info@elcometer.com  
www.elcometer.com

## FRANCE

Elcometer Sarl  
97 Route de Chécý  
45430 BOU

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: fr\_info@elcometer.fr  
www.elcometer.fr

## GERMANY

Elcometer Instruments GmbH  
Ulmer Strasse 68  
D-73431 Aalen

Tel: +49 (0)7361 52806 0  
Fax: +49 (0)7361 52806 77  
e-mail: de\_info@elcometer.de  
www.elcometer.de