

Elcometer 116 Whirling & Sling Hygrometer



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Can be used in accordance with:

| | |
|--------------|---------|
| ASTM E 337-B | BS 2842 |
|--------------|---------|

Elcometer 116 Whirling & Sling Hygrometer

The Elcometer 116A Whirling Hygrometer is available in °C scale.

A guide for Relative Humidity (RH) Calculation is supplied with each instrument. The dewpoint can be accurately obtained using Elcometer 114 Dewpoint Calculator.

The Elcometer 116C Bacharach Sling Hygrometer is a convenient, self contained instrument with a built in slide rule for the calculation of %RH and dewpoint. It has spirit filled thermometers and is also available in °C or °F scales.

- Lightweight and compact
- Manual operation – no power supply required.
- Measuring range: –5 to 50°C (30 to 110°F)
- RH Accuracy: ±5% RH

Climatic Condition Testing

During the application of a coating, the presence of moisture in the environment, or on the work surface, often results in a poor quality finish. Problems such as poor adhesion of the coating or premature corrosion of the substrate can occur.

To determine the likelihood of moisture affecting the quality of the finish, it is essential that the surface temperature, air temperature, relative humidity (RH) and dewpoint are all measured.

Elcometer 114 Dewpoint Calculator



Elcometer 114 Dewpoint Calculator

Elcometer 114 Dewpoint Calculator

This provides accurate values of Relative Humidity (RH) and Dewpoint from the wet and dry bulb temperatures measured by a Whirling or Sling Hygrometer - such as the Elcometer 116 range.

The range of the Elcometer 114 is -10°C to 50°C (14°F to 122°F) and it has an accuracy of ±1% of standard tables.

The calculator includes a °C to °F converter.

At a glance

- Simple, low cost gauges used to determine the relative humidity & dewpoint.
- Lightweight and portable.

| Model | Description | Part Number |
|----------------|--|-------------|
| Elcometer 116A | Whirling Hygrometer - Metric °C | G116A---1 |
| Elcometer 116C | Bacharach Sling Hygrometer - Metric °C | G116C----1 |
| | Bacharach Sling Hygrometer - Imperial °F | G116C----2 |
| Elcometer 114 | Elcometer 114 Dewpoint Calculator | G114----2 |

Related products



Elcometer 319

The Elcometer 319 dewmeter has been designed to incorporate all the needs required for climate condition monitoring, in a single gauge. This simple to use dewcheck measures all the parameters required to determine if the climatic conditions are correct for coating to commence - including - air temperature, relative humidity, surface temperature, dewpoint temperature and deltaT - the difference between dewpoint and surface temperature.



Elcometer 6700

A portable laboratory instrument which charts the ambient temperature and relative humidity using the hair method.



Elcometer 212

Designed to cope with routine day to day use, the Elcometer 212 digital pocket thermometer is the gauge to take fast, accurate measurements of either the surface or the coating temperature. The probe can be protected by folding it into the handle - this also switches the gauge off.



Elcometer 214L

The Elcometer 214L infrared thermometer with laser pointer is compact, lightweight and easy to use. Simply aim, pull the trigger and display the surface temperature of the object being measured. Release the trigger to hold the reading. Instant temperature readings and non-contact.

ENGLAND

Elcometer Ltd
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

CANADA

Elcometer Ltd
PO Box 622, 401 Ouelette Avenue
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: ca_info@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

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