

Elcometer 116 Whirling & Sling Hygrometer



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The Elcometer 116A Whirling Hygrometer is available in °C or °F 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



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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 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.

Can be used in accordance with:	
ASTM E 337-B	BS 2842

Model	Description	Part Number
Elcometer 116A	Elcometer 116A Whirling Hygrometer - Metric °C	G116A---1
Elcometer 116C	Elcometer 116C Bacharach Sling Hygrometer - Metric °C	G116C----1
	Elcometer 116C 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

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