

## Hand-Held Coating Thickness Gauge with external probe

Surfix® easy E series Coating Thickness Gauges provide fast, non-destructive, accurate coating measurements on steel and non-ferrous metals.

The gauges are designed to accommodate a wide range of production line, laboratory and field applications. Manufactured to international quality standards, Surfix® easy E series gauges will provide years of trouble-free use.

They are available in 2 configurations:

Surfix® easy E - F: for iron/steel

Surfix® easy E - FN: for iron/steel and non-magnetic metals

For testing non-magnetic coatings such as varnish, paint, enamel, chrome, copper, zinc, etc. on iron/steel (magnetic induction method) and all electrically insulating coatings, such as varnish, paint, anodizing coatings on non-ferrous metals, also on stainless steel (eddy-current method).

**Measuring Range F - mode:** 0 - 3500  $\mu\text{m}$  (0 - 140 mils)

**Measuring Range N - mode:** 0 - 3000  $\mu\text{m}$  (0 - 120 mils)

**Probe:** external; with wear resistant hard-metal pole tip

### Automatic Selection of F or N mode

FN-models will automatically sense the type of substrate under the coating and enable the correct measurement mode without any operator action

**Units:** Keypad selectable, microns or mils

**Live Statistics Display:** Number of readings, mean value, standard deviation, maximum and minimum reading of max. 99 readings

Free Manufacturer's Certificate

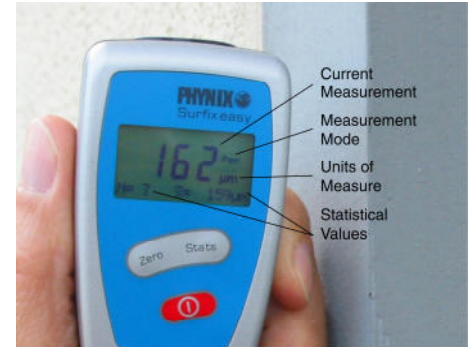


# Specifications Surfix® easy E



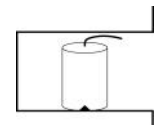


<b>Range:</b>	F: 0 – 3500 µm (0 – 140 mils) N: 0 – 3000 µm (0 – 120 mils)
<b>Accuracy:</b>	±3 µm (±0.12 mils) or ±3 % of reading whichever is greater
<b>Resolution:</b>	Refer to table right
<b>Display:</b>	4-digit alphanumeric, height 10 mm (0.4")
<b>Min. Measuring Area:</b>	10 mm x 10 mm (0.4" x 0.4")
<b>Min. Substrate Thickness:</b>	F: 0.5 mm (20 mils) N: 50 µm (2 mils)
<b>Calibration:</b>	Factory calibration, zero calibration
<b>Statistics:</b>	Number of readings, mean value, standard deviation, max. and min. reading of max. 99 readings
<b>Operating Temperature:</b>	0° C to 50° C (32° F to 122° F)
<b>Surface Temperature:</b>	-15° C to 60° C (5° F to 140° F)
<b>Power:</b>	2 AAA, 1.5 V
<b>Dimensions:</b>	107 mm x 50 mm x 25 mm (4.3" x 2" x 1")
<b>Weight:</b>	135 g (5 oz), gauge incl. probe and batteries
<b>Protection Class:</b>	IP 52 (proof against dust and dripping water)
<b>Standards:</b>	DIN, ISO, ASTM, BS

## Resolution Table

<b>Microns (µm)</b>	0 – 1000 µm:	1 µm
	1000 – 2500 µm:	2 µm
	2500 – 3500 µm:	5 µm
<b>Mils</b>	0 – 100.0 mils:	0.1 mils
	100.0 – 140.0 mils:	0.2 mils



## Measuring Limits

	<b>Minimum Radius for Convex Surfaces</b>	5 mm (0.2")
	<b>Minimum Radius for Concave Surfaces</b>	50 mm (2")
	<b>Minimum Headroom</b>	50 mm (2")
	<b>Measuring Area</b>	10 mm x 10 mm (0.4" x 0.4")
	<b>Minimum Substrate Thickness – F</b>	0.5 mm (20 mils)
	<b>Minimum Substrate Thickness – N</b>	50 µm (2 mils)

Surfix® easy E Series gauges are supplied as a complete kit, with gauge, plastic shim, 2xAAA batteries, soft carrying pouch, manual and manufacturer's certificate.

Surfix® easy E – F models include a steel zero plate. Surfix® easy E – FN models include steel and aluminium zero plates.

# PHYNIX

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