PHYNIX SENSORTECHNIK

Easy handling
+
Compact device
+
Three versions

PAINTCHECK PAINT THICKNESS GAUGE

PaintCheck enables quick, non-destructive and accurate paint thickness measurement on steel, iron, aluminium and other non-ferrous metals

Area of application and use

PaintCheck does not only measure the paint thickness, but also gives you valuable information about the coating structure, e. g. top coatings or sub-fillings. If the measured thickness exceeds that of a standard paint coating then this would either indicate the presence of filler material used for repair work or a repainted area.

Measurement is made possible by using two field-proven methods in coating thickness measurement: the magnetic and the eddy current methods (DIN EN 2178 and 2360). Both of these offer the highest degree of precision even with the thinnest paint coatings, on steel as well as on non-ferrous metals such as aluminium. PaintCheck uses both methods which are automatically selected by the gauge when positioning the probe.

This gauge offers unbeatable quickness, simplicity and versatility.

Advantages at a glance

+ Easy single key operation – just switch on and measure
+ Quick and accurate measurements
+ Large measurement range up to 3000 µm (PaintCheck plus) or 2000 µm (PaintCheck)
+ Measurements on level or slightly curved surfaces
+ No calibration necessary
+ Suitable for measurements on iron/steel and non-ferrous metals (e. g. aluminium)
+ Automatic base material recognition
+ Integrated probe for measurement on smooth, painted areas
+ Four digit alphanumeric readout
+ Large contact area for reliable positioning
+ Acoustic signal with measurement recording
+ Switchable: µm/mils
+ Automatic switch-off function

PAINTCHECK

PaintCheck is available in three versions:

PaintCheck plus FN: extended range, for measurements on steel, iron, aluminium etc.
PaintCheck plus F: extended range, for measurements on steel and iron
PaintCheck FN: standard range, for measurements on steel, iron, aluminium etc.

All types enable easy, non-destructive measurement of paint coating thickness and offer high resolution with a high degree of accuracy. Owing to these facts, the PaintCheck family is the ideal tool for car dealers, paint shops and assessors.

Technical data	PaintCheck plus FN	PaintCheck plus F	PaintCheck FN
Range	0 – 3,000 µm	0 – 3,000 µm	0 – 2,000 µm
Base material	Iron/Steel and non-ferrous metals	Iron/Steel	Iron/Steel and non-ferrous metals
Accuracy	± (3 µm + 5 % of reading)	± (3 µm + 5 % of reading)	± (3 µm + 5 % of reading)
Resolution	0 – 1.000 µm: 1 µm 1.000 – 2.500 µm: 2 µm 2.500 – 3.000 µm: 5 µm	0 – 1.000 µm: 1 µm 1.000 – 2.500 µm: 2 µm 2.500 – 3.000 µm: 5 µm	0 – 1.000 µm: 1 µm 1.000 – 2.000 µm: 2 µm
Display readout	4 digit, alphanumeric, height 8 mm		
Calibration	not necessary; calibrated at the works		
Operating temperature	0 °C up to 60 °C		
Surface temperature	–15 °C up to 60 °C		
Dimensions	110 mm x 50 mm x 25 mm		
Weight	90 g including batteries		
Protection class	IP 52 (protection against dust and dripping water)		
Standards	DIN, ISO, ASTM, BS		
Recommended application	Paint coating thickness measurement		
Warranty	2 years		

Limit Values


Smallest curvature radius for convex surfaces: · · · · · · · · · · · 25 mm


Smallest curvature radius for concave surfaces: · · · · · · · · · 50 mm


Smallest operation height: · 125 mm


Smallest measurement area: · · · · · · · · · · · · · · · · · 40 mm x 40 mm


Smallest base material thickness – F: · · · · · · · · · · · · · · · · · 0.75 mm


Smallest base material thickness – N: · · · · · · · · · · · · · · · · · 0.25 mm

Standard package:

- Gauge including probe
- Rubber protection sleeve
- 1 foil standard
- Zero standard(s) (steel/aluminium)
- 2 batteries AAA
- Operating manual
- Transport case

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