PaintCheck

PHYNIX
Physikalische Oberflächen-Messtechnik
Physical Surface Testing Technology

Paint Thickness Gauge – It is as easy as that
ideal for car dealers, paint shops and inspectors

PaintCheck provides fast, non-destructive, accurate coating measurements on steel and non-ferrous metals.

It is not only **paintwork thickness** you can measure. You also obtain valuable information concerning the coating structure, such as **paint top coats** or **body fillers**. When measured thickness value clearly exceeds the standard paintwork thickness, this would indicate the use of filler material for repair work or repainting.

For this means, no damage or destruction on the surface – **no scratches, no grinding needed**.

This is possible by using two field-proven inspection methods for **coating thickness measurement**: the magnetic method and the eddy currend method (DIN EN ISO 2178 and 2360). Both offer the same degree of high precision, even with the thinnest paintworks, on steel as well as on non-ferrous metals e.g. aluminium.

PaintCheck uses both these methods, just position the probe and selection is automatically made.

You can't get faster, more simply and more universally.

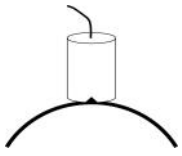
- large measuring range 0 – 2000 µm (0 – 80 mils)
- measurements on steel and aluminium
- one-key operation
- calibration free measurements
- selectable between µm/mm and mils

In no time at all you know more about the car and the bodywork. Find out more!

Specifications PaintCheck

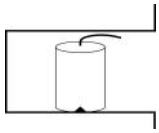
Range:	Steel/Iron (F): 0 – 2000 µm (0 – 80 mils) Aluminium (N): 0 – 2000 µm (0 – 80 mils)
Accuracy:	±(5 µm + 5 % of reading) ±(0.5 mils + 5 % of reading)
Resolution:	5 µm or <1 % of reading 0.5 mils or <1 % of reading
Display:	4-digit alphanumeric, height 10 mm (0.4")
Min. Measuring Area:	40 mm x 40 mm (1.6" x 1.6")
Min. Substrate Thickness:	F: 0.75 mm (30 mils) N: 0.25 mm (10 mils)
Calibration:	not needed; factory calibrated
Operating Temperature:	0 °C to 50 °C (32 °F to 122 °F)
Surface Temp.:	-15 °C to 60 °C (5 °F to 140 °F)
Power:	2 AAA, 1.5 V
Dimentions:	107 mm x 50 mm x 25 mm (4.3" x 2" x 1")
Weight:	90 g (3.2 oz) incl. batteries
Protection Class:	IP 52 (proof against dust and dripping water)
Standards:	DIN, ISO, ASTM, BS

Measuring Limits

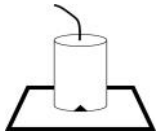


Minimum Radius for Convex Surfaces 25 mm (1")

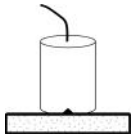
Minimum Radius for Concave Surfaces 50 mm (2")



Minimum Headroom 125 mm (5")



Measuring Area 40 mm x 40 mm (1.6" x 1.6")



Minimum Substrate Thickness – F 0.75 mm (30 mils)

Minimum Substrate Thickness – N 0.25 mm (10 mils)

Resolution Table

Microns (µm)	0 –	500 µm:	5 µm
	500 –	1000 µm:	10 µm
	1000 –	2000 µm:	25 µm
Mils	0 –	50 mils:	0.5 mils
	50 –	80 mils:	1 mils

Delivery Schedule PaintCheck

Gauge incl. probe
Plastic shim 200 µm (8 mils)
Steel zero plate
Aluminium zero plate
2xAAA batteries
Soft carrying pouch
Manual

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PHYNIX GmbH & Co. KG
Alexe-Altenkirch-Straße 3
50739 Köln, Germany
Phone: +49(0)221/17964-30
Fax: +49(0)221/17964-35
info@phynix.de
www.phynix.de