

PaintChecker **MOBILE** INFRARED

The **PaintChecker MOBILE INFRARED** is a photothermal measuring device used for the non-contact and non-destructive determination of coating thicknesses in accordance with DIN EN 15042-2. It is suitable for use with wet or dry organic coatings such as paints and glazes, both solvent and water-based, on various substrates, including metal, extruded rubber and ceramics.



Made of extruded, high-strength plastic, it is designed to be used manually and includes an infrared light source that is safe for the eyes as well as measurement data recording. The fabricated cable that connects the sensor and the controller unit is 0.8 m in length.

Item	Value/Value range
Coating thickness range	typ. 1 - 300 µm (metallic substrate)* typ. 0 - 60 µm (non-metallic substrate)*
Field size	Ø = 1 mm
Repetition rate	max. 1 Hz*
Measuring period	64 .. 2.048 ms*
Risk group	1
Laser power	max. 1,5 W
Laser operating mode	Pulsed operation
Resolution	approx. 1% of current measuring value**

premium measuring instruments

Messgenauigkeit	approx. 3% of current measuring value**
Measuring distance	35 mm
Distance tolerance	± 3 mm
Angle tolerance	± 15°
Dimensions	L = 160 mm, W = 50 mm
Weight	approx. 225 g
* Depends on coating thickness/set of parameters	
** Depends on paint/substrate combination	

Sensor

With the ergonomic, lightweight sensor, measurements can be made directly by hand. With its optomechanical structure, the sensor can also be used in the immediate vicinity of the paint application.

Controller-Unit

The controller is contained in a rugged aluminum housing. All of the settings can be selected and modified conveniently with the membrane keypad using a context-related menu that is easy to understand. The measuring values are saved in measuring series for immediate or later use.

Item	Value/Value range
Power supply	4 rechargeable batteries, Li-ion, Type 1450
Interface	USB
Dimensions	L x W x H = 180 x 80 x 42.5 mm
Weight	approx. 700g

The USB connection is used for communicating with a PC. The software allows complete control over the measurement procedure and storage of measurement data.

Scope of delivery

The measuring system is delivered in a sturdy transport case.

The scope of delivery includes:

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- Sensor with connection cable
- Controller unit with protective holster
- Reference glass for calibration
- Li-Ion rechargeable battery set (4 batteries)
- Battery charger
- Manual
- Software + USB cable

