

PaintChecker **MOBILE LASER**

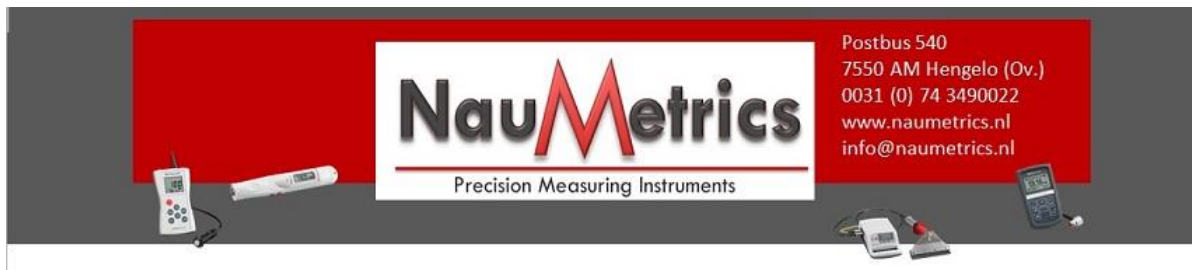
The **PaintChecker MOBILE LASER** is a photothermal measuring device used for the non-contact and non-destructive determination of coating thicknesses in accordance with DIN EN 15042-2. It is suitable for use with wet or dry organic coatings such as paints and glazes, both solvent and water-based, on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



Made of aluminum, it is designed to be used manually and includes a laser that is safe for the eyes as well as measurement data recording.

The fabricated cable that connects the sensor and the evaluation 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 = 0,5 mm
Repetition rate	max. 1 Hz*
Measuring period	64 .. 1.024 ms*
Laser class	1M
Laser power	max. 0,5 W
Laser operating mode	Pulsed operation
Resolution	approx. 1% of current measuring



	value**
Messgenauigkeit	approx. 3% of current measuring value**
Measuring distance	16 mm
Distance tolerance	± 1 mm
Angle tolerance	± 15°
Dimensions	L = 110 mm, W = 25 mm
Weight	approx. 50 g
* Depends on coating thickness/set of parameters	
** Depends on paint/substrate combination	

Sensor

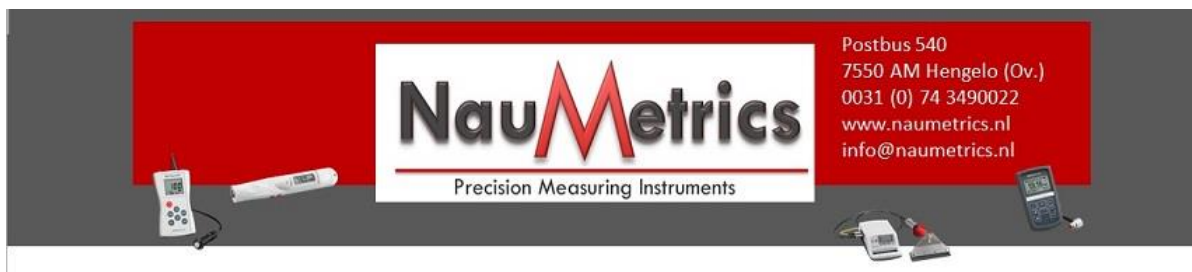
With the lightweight, easy-to-use sensor, measurements can be made directly by hand. With its optomechanical structure, the sensor can also be used in the immediate vicinity of the paint application.

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:

- 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

