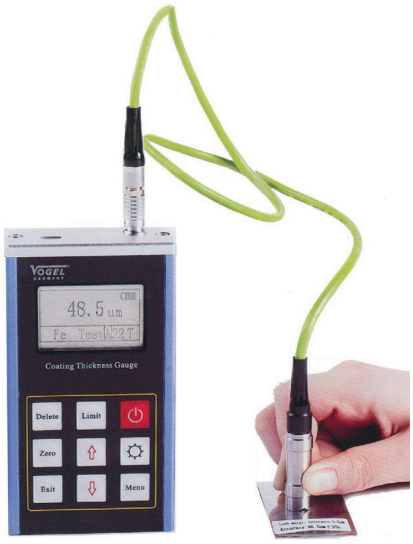
Universal Coating Thickness Gauge



- **professional, handheld measuring device for quick and flexible coating thickness measurements**
- **combined system with 2 probes, for iron/steel (Fe) and non-ferrous metal (Ne)**
- **large display, with backlight (switchable), with memory function**
- **rugged extruded aluminium case, USB data output and with dataview software**
- **operates in any position (horizontal, vertical and upside down)**
- **for measurements of non-magnetic layers on metal surfaces (Fe) and measurements of insulating layers on non-ferrous metals (NFe)**
- **application fields include surface engineering, automotive industry, electroplating, pipeline construction, aluminium industry, spray coating, plastic coating, mechanical engineering, bridge construction, etc.**

- rugged extruded aluminium body frame, with soft key pad
- multi-function display with clear reading, with backlight switchable
- with „low-battery“ indicator, autom. recognition of probe type, alarm function switchable
- magnetic induction measuring principle (Fe) and eddy current measuring principle (NFe)
- units in µm or mils, autom. substrate recognition, manual or autom. shut down function
- two measuring methods: continuous measurement and a single measurement
- 3 calibration methods: one point calibration, two point calibration and calibration with a roughened surface
- 5 calibration foil-set,1 x aluminium substrate block and 1 x iron substrate block
- 5 statistical values: mean value, max. value, min. value, standard deviation and numbers of measurements, storage of 500 measuring data in total
- min. radius of workpiece: convex 5 mm, concave 50 mm
- min. substrate thickness Fe (F1)-probe 0.75 mm, for NFE (N1)-probe 50 µm
- direct printing of the measured values by USB cable to PC or printer
- operating temperature -0 °C ~ 40 °C, rel. humidity 20 – 90 %RH
- inclusive 2x 1.5 V battery (type AA, art.-no.: 90003), with screw driver, data cable, dataview software, operation manual

Accessories on page 289

UNIT | ASTM | BS | CE | DIN ISO

ART NO	µm	µm F1 + N1	µm probe F1 (max.)	µm probe N1 (max.)	mm
480227	0.1 / 0.1	0 – 1250	1 + 3 %	1.5 + 3 %	115 x 70 x 30

Universal Paint Thickness Gauge • IP52

application example

- **professional, handheld device for quick and accurate paint thickness measurements**
- **device with built-in probe for quick, non-destructive and accurate measurements**
- **integrated probe for measurements on smooth, painted areas**
- **combined system for measurements on iron/steel (Fe) and non-ferrous metal (NFe) both of these offer the highest degree of precision even with thinnest paint coatings**
- **large display, 4 digits, alphanumeric, height 8 mm**
- **in a rugged ABS plastic housing, with rubber protective cover**
- **easy single key operation, just switch on and measure, autom. base material recognition**
- **for measurements on level or slightly curved surfaces**
- **no calibration necessary, calibrated before delivery**
- **area of application: painting companies, spray- and powder coating, automotive companies, experts and automotive garages, oldtimer scene, machinery, aluminium industry, etc.**

- rugged ABS plastic housing, with rubber protective cover, with key pad
- innovative and user friendly handling: switch on and measure
- multi-function LCD display with clear reading, autom. recognition of base material
- large contact area for reliable positioning
- magnetic induction measuring principle (Fe) and eddy current measuring principle (NFe) reading in µm and mil
- calibration-free measuring, acoustic signal when recording measured values
- control foil and zero-standards (1 x aluminium- and 1 x steel plate)
- min. radius workpiece for convex surfaces 25 mm, for concave surfaces 50 mm
- min. thickness of workpiece — F 0.75 mm, min. thickness of workpiece — N 0.25 mm, min. measuring surface 40 x 40 mm
- operating temperature 0 °C ~ 60 °C, rel. humidity 20 – 90%RH, surface temperature -15 °C ~ 60 °C
- incl. 2x 1.5 V battery (type AAA, art.-no.: 90002)
- with operation manual

UNIT | IP 52 | ASTM | BS | CE | DIN ISO

ART NO	µm	µm Fe	µm NFe	± µm (max.)	probe (mm)	mm
480238	1.0 / 2.0 / 5.0	0 – 3000	0 – 3000	3 + 5 %	integrated	110 x 50 x 25