



STANDARD SCOPE OF DELIVERY

Transport case

USB cable

Software

Calibration accessories

Operating manual

ASCERTAINABLE MEASURED VALUES AND FUNCTIONS

Internal sensors

Layer thickness [μm]

External sensors

Minimum value display

Maximum value display

Average value display

Automatic switch-off

Backlit display

Acoustic alarm function

Sensor for ferromagnetic ground

Sensor for non-ferrous metal ground

Two-point calibration

Standard deviation

Battery status indication



TECHNICAL DATA		
	Minimum bending radius of the measuring surface with ferromagnetic ground	1.5 mm
	Critical primary layer thickness of ferromagnetic ground	0.5 μm
Memory organisation		
	Internal flash memory	Up to 400 measured values
	Recall of previous measurements	
Display		
	LCD	
	Monochrome	
Device control		
	Push buttons	
Ambient conditions		
	Operation - min. temperature [$^{\circ}\text{C}$]	0
	Operation - max. temperature [$^{\circ}\text{C}$]	40
	Operation – min. relative humidity [% r.F.]	20
	Operation - max. relative humidity [% r.F.]	90
Dimensions		
	Length (packaging excluded) [mm]	110
	Width (packaging excluded) [mm]	24
	Height (packaging excluded) [mm]	54
Weight		
	(packaging excluded) [kg]	0.114

STANDARD SCOPE OF DELIVERY

Standard scope of delivery	
	Measuring device
	Battery(-ies)



TECHNICAL DATA

General information

Article number 3.510.205.075

Layer thickness measurement

Functional principle Layer thickness	Magnetic induction, Turbulent flow
Material Layer thickness	Ferromagnetic ground, Non-ferrous metal ground
Min. measuring range [μm]	0
Max. measuring range [μm]	1,250
Accuracy	$\pm 0.1 \mu\text{m}$
Tolerance Non-ferrous metal ground Guaranteed tolerance with ferromagnetic ground in the measuring range from 0 to 850 μm	$(\pm 3 \% + 1.5) \mu\text{m}$ of measured value
Tolerance Non-ferrous metal ground Guaranteed tolerance with non-ferrous metal ground in the measuring range from 850 to 1,250 μm	$\pm 5 \%$ of measured value
Tolerance Ferromagnetic ground In the measuring range from 0 to 850 μm	$(\pm 3 \% + 1) \mu\text{m}$ of measured value
Tolerance Ferromagnetic ground In the measuring range from 850 to 1,250 μm	$\pm 5 \%$ of measured value
Minimum measuring surface with non-ferrous metal ground	$\varnothing 5 \text{ mm}$
Minimum bending radius with non-ferrous metal ground	3 mm
Critical primary layer thickness of non-ferrous metal ground	0.3 μm
Minimum measuring surface with ferromagnetic ground	$\varnothing 7 \text{ mm}$

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