

TECHNICAL DATA



	Operation - max. temperature [°C]	40
	Operation – min. relative humidity [% r.F.]	20
	Operation - max. relative humidity [% r.F.]	90
Dimensions		
	Length (packaging excluded) [mm]	114
	Width (packaging excluded) [mm]	27
	Height (packaging excluded) [mm]	54
Weight		
	(packaging excluded) [kg]	0.152

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	Minimum measuring surface with ferromagnetic ground	Ø 7 mm
	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 2,500 measured values
	Recall of previous measurements	
Display		
	LCD	
	Monochrome	
Device control		
	Push buttons	
Ambient conditions		
	Operation - min. temperature [°C]	0

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	Tolerance Non-ferrous metal ground Guaranteed tolerance with non-ferrous metal ground in the measuring range from 1,000 to 2,000 μm	$\pm 3.5\%$ μm of measured value
	Tolerance Ferromagnetic ground Guaranteed tolerance with ferromagnetic ground in the measuring range from 0 to 1,000 μm	$(\pm 2\% + 2)$ μm of measured value
	Tolerance Ferromagnetic ground Guaranteed tolerance with ferromagnetic ground in the measuring range from 1,000 to 2,000 μm	$\pm 3.5\%$ μm 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

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General information

Article number

3.510.205.077

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]

2,000

Accuracy

$\pm 0.1 \mu\text{m}$ (at 0 μm up to 100 μm)
 $\pm 1 \mu\text{m}$ (at 100 μm up to 1,000 μm)
 $\pm 0.01 \text{ mm}$ (at 1,000 μm up to 2,000 μm)

Tolerance | Non-ferrous metal ground
Guaranteed tolerance with non-ferrous metal ground in the measuring range from 0 to 1,000 μm

($\pm 2 \% + 2$) μm of measured value

 +982165565901

 +982144584619

 +989034119385

 Tehran, Tehransar