

Coating Thickness Gauge DCT-200



Features

- Large LCD with backlight
- Easy operation with 6 keys
- Two measuring methods: Magnetic induction (F) and Eddy current (N)
- Automatic recognition of substrate
- Upper-lower limit setting and sound alarm
- Memory of 500 data
- Powerful PC software



Standard Delivery

- Main Unit
- Probe
- Base
- Test block
- Software and cable
- Operating manual
- Easy package
- Calibration Certificate

Technical Specification

Probe model	0-400μm	F1	F1/90°	F10	N400	N1	N3
Measurement range	F400	0-1250μm	0-100000	0-400	0-1250	0-3000	0-400μm
Principle	Magnetic induction				Eddy current		
Resolution	1μm			10μm	1μm		
Accuracy							
One point calibration	$\pm(2\%H+0.7)$	$\pm(2\%H+1)$		$\pm(2\%H+10)$	$\pm(2\%H+0.7)$	$\pm(2\%H+1.5)$	$\pm(2\%H+3)$
Two points calibration	$\pm(1\%H+0.7)$	$\pm(1\%H+1)$		$\pm(1\%H+10)$	$\pm(1\%H+0.7)$	$\pm(1\%H+1.5)$	$\pm(1\%H+3)$
Min. radius of curvature (convex)	1	1.5	Flat	10	1	3	5
Min. measuring area	Φ3	Φ7		Φ40	Φ4	Φ5	Φ7
Min. thickness of base	0.2mm	0.5mm		2mm	0.3mm		1mm

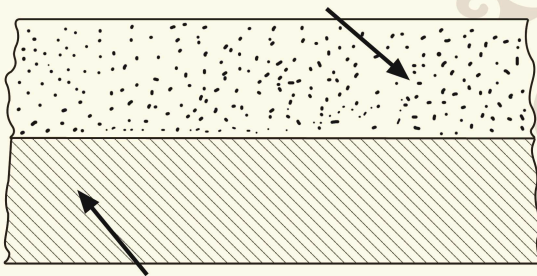
Two measuring ways

Magnetic Introduction (F)

Coating: Non-magnetic material

Substrate (base): Magnetic material

Any non-magnetic materials such as gold, copper, zinc, lead, resin, rubber, glass and so on



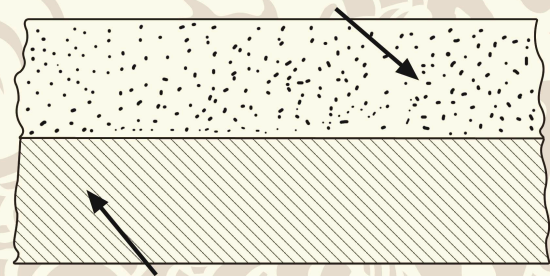
Any magnetic materials such as iron, steel, cobalt and nickel.

Eddy Current (N)

Coating: Non-conductors

Substrate (base): Non-magnetic metals

Any non-conductors such as painting, synthetic, resin, rubber, glass and so on



Any non-magnetic metals such as brass, copper, aluminium and so on.

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