

Neo-Derm / Digi-Derm

SERIES 179 — Electronic Coating Thickness Gage

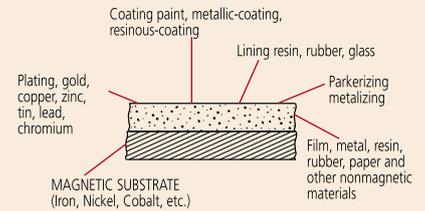
FEATURES

- Battery powered for portable use and can also operate on AC power with an optional adapter.
- Measurements are displayed on the clear LCD screen and can be output for SPC data analysis. (Digi-Derm)
- A set of calibration films and a metallic base is provided for each unit.
- Measures the thickness of nonmagnetic coating on magnetic substrata or a layer of non conductive material on nonmagnetic substrata.
- Special probe for measuring the coating thickness on the inside wall of bores is optional (**732135**).

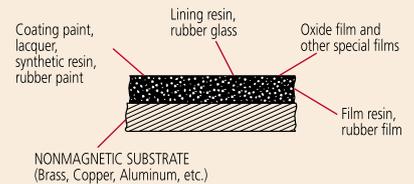


Application

Nonmagnetic coatings on magnetic substrata



Non conductive coating on nonmagnetic substrata



Optional Accessory

0732135*: Special probe for inside wall of bore
*not available for 179-721, 179-755, 179-756.



SPECIFICATIONS

Metric	179-700	179-701	179-702	179-745	179-721	179-755
Order No.	179-700	179-701	179-702	179-745	179-721	179-755
Display	Analog meter	Analog meter	Analog meter	Digital, LCD	Analog meter	Digital, LCD
Range	0 - 50µm	H: 0 - 100µm L: 50 - 500µm	H: 0 - 600µm L: 0.5 - 2mm	0 - 1.5mm	H: 0 - 100µm L: 0 - 500µm	0 - 1.0mm
Resolution	—	—	—	0.001mm	—	0.001mm

Inch	179-711	179-712	179-746	179-756
Order No.	179-711	179-712	179-746	179-756
Display	Analog meter	Analog meter	Digital, LCD	Digital, LCD
Range	H: 0 - .004" 0 - 100µm L: .002" - .02" 50 - 500µm	H: 0 - .025" 0 - 600µm L: .02" - .08" 0.5 - 2mm	0 - .059" 0 - 1.5mm	0 - .039" 0 - 1.0mm
Resolution	—	—	.00005" 0.001mm	.00005" 0.001mm

Min. coating area	ø5mm	ø5mm	ø5mm	ø5mm	ø8mm	ø8mm
Min. radius of curvature	Convex 3mm Concave 25mm	3mm	3mm	3mm	7mm	7mm
Min. thickness of substrata	0.3mm	0.3mm	0.3mm	0.3mm	0.3mm	0.3mm
Application	Nonmagnetic coatings on magnetic substrate			Non-conductive coatings on nonmagnetic substrate*		
Dimensions (W x D x H)	106 x 62 x 163mm			100 x 44 x 180mm	106 x 62 x 163mm	100 x 44 x 180mm
Mass	600g			500g	600g	500g

*Measurement is impossible if the substrate is an austenitic stainless steel.

- 526688**: AC adapter for Neo-Derm (100V AC)
 - 526688A**: AC adapter for Neo-Derm (120V AC)
 - 526688D**: AC adapter for Neo-Derm (220V AC)
 - 526688E**: AC adapter for Neo-Derm (220/240V AC)
 - 528041**: AC adapter for Digi-Derm (100V AC)
 - 528041A**: AC adapter for Digi-Derm (120V AC)
 - 528041D**: AC adapter for Digi-Derm (220V AC)
 - 528041E**: AC adapter for Digi-Derm (220/240V AC)
 - 936937**: SPC cable for Digi-Derm (1m)
 - 965014**: SPC cable for Digi-Derm (2m)
- Consumables**
- 527599**: Calibration film (25µm, 1 pc.)
 - 527600**: Calibration film (50µm, 1 pc.)
 - 527601**: Calibration film (100µm, 1 pc.)
 - 527602**: Calibration film (250µm, 1 pc.)
 - 527603**: Calibration film (0.5mm, 1 pc.)
 - 527604**: Calibration film (1.0mm, 1 pc.)
 - 527605**: Calibration film (2.0mm, 1 pc.)
 - 685013**: Calibration film (1.5mm, 1 pc.)
 - 933038**: Metallic base for calibration film (magnetic)
 - 937305**: Metallic base for calibration film (nonmagnetic)
 - 937287**: Calibration film set (25µm, 50µm)
 - 937288**: Calibration film set (25µm, 50µm, 100µm, 250µm)
 - 937289**: Calibration film set (100µm, 250µm, 0.5mm, 1.0mm, 2.0mm)
 - 945014**: Calibration film set (25µm, 50µm, 100µm, 250µm, 0.5mm, 1.0mm, 1.5mm)
 - 945049**: Calibration film set (25µm, 50µm, 100µm, 250µm, 0.5mm, 1.0mm)