

Innovative coating thickness measurement

- Leading menu for easy and quick handling
- Waterproof according to IP Code 65

NEW SaluTron[®] D2X

- XXL-Display
- USB-Interface
- Memory with 8192 locations

D1

D2X

SaluTron[®]



easy and quick with absolute precision



SaluTron® D1

Combination gauge with interchangeable probes for indestructible measurement:

- Waterproof under IP Code 65
- Easy operating and setup by leading menu
- Quick zeroing and calibration of the gauge
- Setup units of measurement: μm or mil
- High accuracy
- Continuous measurement possible
- Automatic probe detection
- V-groove enables measurements on axes or staves
- Setup of language: English or German
- Automatic switch off
- Low battery warning indication
- Display backlight

SaluTron® D2X



All functions of D1, in addition with a measuring memory and many other features:

- 8192 memory locations
- Large, easily-readable display with backlight
- Measured values can be stored in blocks
- Calculation of average, standard deviation, minimum, maximum, coefficient of variation, histogram for single and multiple blocks
- Input of data for a report such as date and time of the measuring blocks
- Output of measuring report to serial-, IR-printer or PC
- RS 232 serial or USB port for interfacing to PC
- Output of measured values in different standard formats such as Excel, Lotus, etc.
- Setup of parameters for data transfer (baud rate, parity, data length)
- Input of min/max tolerance limits with acoustic signal on exceedance
- 16 application memories for special calibration with comment (16 signs)

Technical data

Base material (substrate)	Fe:	iron or steel	
	NFe:	non-magnetic metals such as aluminum, zinc, copper, brass, some stainless steel grades	
Layers	Fe:	non-magnetic coatings such as lacquer, plastics, chromium, copper, zinc, enamel, etc.	
	NFe:	insulating coatings such as lacquer, enamel, plastics, paper, glass, rubber, etc., anodized aluminum	
Measuring range	Fe:	0 - 2000 μm (0 - 2 mm) or 0.00 - 80 mil	
	NFe:	0 - 800 μm (0 - 0.8 mm) or 0.00 - 32 mil	
Measurement display	Fe:	0.0 - 999 μm and from then 1.00 - 2.00 mm or 0.00 - 80 mil	
	NFe:	0.0 - 800 μm or 0.0 - 32 mil	
Resolution	Fe:	0.1 μm	in the range of 0.0 - 99.9 μm
		1 μm	in the range of 100 - 999 μm
	0.01 mm	in the range of 1.00 - 2.00 mm	
	0.01 mil	in the range of 0.00 - 9.99 mil	
NFe:	0.1 mil	in the range of 10.0 - 80.0 mil	
	0.1 μm	in the range of 0.0 - 99.9 μm	
1 μm	in the range of 100 - 800 μm		
0.01 mil	in the range of 0.00 - 9.99 mil		
0.1 mil	in the range of 10.0 - 32 mil		
Minimum thickness of base material	Fe:	0.20 mm or 8 mil	
	NFe:	0.05 mm or 2 mil	
Repetitive accuracy		$\pm (1.5 \mu\text{m} + 2\%)$ or $\pm (0.06 \text{ mil} + 2\%)$	
Minimum measuring area		10 x 10 mm or 0.4" x 0.4"	
Memory	D1	none	
	D2X	8192 locations	
Blocks		optional in the range of memory's capacity	
Temperature	Storage:	-10°C to 60°C or 14°F to 140°F	
	Operating:	-0°C to 60°C or 32°F to 140°F	
Probes		one-point	
Interface	D1	none	
	D2X	USB/RS232	
Printer		HP-infrared (distance max. 4.5 m, on request) or standard serial printer	
Power supply		2 x 1.5 V AA alkaline	
Dimensions (l x w x h)	D1	150 x 82 x 33 mm or 5.9" x 3.2" x 1.3"	
	D2X	120 x 65 x 22 mm or 4.7" x 2.6" x 0.9"	
Weight	D1	150 g (with batteries) or 5.3 oz	
	D2X	260 g (with batteries) or 9.17 oz	

Technical details subject to change.

Delivery range:

- Fe or NFe-probe
- Fe and NFe-zero plates
- Set with 8 calibrations standards
- Batteries
- Case
- Manual

Optional accessory:

- Additional Fe- or NFe-probe
- Angle Fe-probe
- Mini-Infrared-Printer "SP100" for wireless data transfer

The infrared pocket printer "SP 100" completes the functions of SaluTron® D2X. An adapter enables wireless data transfer to print out measured and statistic values. Other features are:

- Thermal printing process
- Magnetic surface to stick on metal
- Universally applicable with other gauges
- High printing speed (one print line = 24 signs per second)
- Transfer distance from gauge to printer: up to 4.5 m
- Very robust and handy
- Size (length x width x height): only 15.5 x 9.2 x 6.5 cm or 6.1" x 3.6" x 2.5"
- Independent of mains supply (four AA Alkali-batteries)



GmbH
Production and distribution of measuring instruments

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