

Precise Coating Thickness Measurement

on ferrous or non-ferrous substrates

- *XXL measuring range: thickness of 1 - 10 mm with special probe*
- *Robust*
- *Non-destructive*
- *5 different probes*
- *Data memory for 495 values*



D6
SaluTron[®]

The newly developed thickness gauge **SaluTron® D6** is very solid and has a high accuracy. The simple and safe operation is done by menu navigation. Complicated and time-intensive settings are therefore eliminated.



precise and practical

for layers up to 10 mm

Measuring Features

- Measuring range of 0-1250 micron (F1 standard probe)
- Measuring range of 0-10 mm (F10 special probe)
- High accuracy
- Switch between mil and micron
- Upper and lower limits can be preset; with visual and audible alarm when exceeding
- 2 measuring modes: continuing mode and single mode
- 2 operation modes: direct mode with 99 storage places and batch mode with 495 locations (5 blocks with 99 values each)
- Automatic recognition of the probes
- Quick calibration and zeroing of the instrument

Functions

- Statistic values: mean, minimum, maximum, number of measurements, standard deviation
- 2 methods for calibration: 2-point or zero calibration error system of the probe can be corrected with basic calibration method
- Switch between manual and automatic memory
- Delete function: single data or all data in memory
- Analysis of measured values via histogram
- Acoustic signal after each measurement / buttons beep adjustable
- Backlight
- Low battery indicator
- Automatic or manual shutdown
- Transfer of results to PC

Probe model	F1	Special probe F10	F400	N1	CN02	
Base material (substrate)	iron or steel			non-magnetic metals such as aluminum, zinc, copper, brass, some stainless steel grades		
Layers	paints, lacquers, plastics, chromium, copper, zinc, enamel, etc. (non-magnetic)			anodized aluminum, lacquer, enamel, plastics, paper, glass, rubber, etc. (non-conductive)		
Function principle	magnetic induction			eddy current		
Measuring range	0-1250 µm (0-1.25 mm) 0-49 mil	0-10000 µm (0-10 mm) 0-394 mil	0-400 µm (0-0.4 mm) 0-16 mil	0-1250 µm (0-1.25 mm) 0-49 mil	10-200 µm (0.01-0.2 mm) 4-8 mil	
Low range resolution	0.1 µm	10 µm	0.1 µm	0.1 µm	1 µm	
Accuracy (H=nominal value)	One-point-calibration	±(3%H +1) µm	±(3%H +10) µm	±(3%H +1) µm	±(3%H +1.5) µm	±(3%H +1) µm
	Two-point-calibration	±((1-3)%H +1) µm	±((1-3)%H +10) µm	±[(1-3)%H +0.7] µm	±[(1-3)%H +1.5] µm	---
Measuring conditions	Min. curvature radius	1.5 mm	10 mm	convex / 1 mm	3 mm	only flat
	Diameter of minimum area	Ø 7 mm	Ø 40 mm	Ø 3 mm	Ø 5 mm	Ø 7 mm
	Critical thickness of substrate	0.5 mm	2 mm	0.2 mm	0.3 mm	no limit
SaluTron® D6	Specifications					
Memory capacity	2 operation modes: direct mode with 99 storage places and batch mode with 495 locations (5 blocks with 99 values each)					
Power supply	2 x 1.5 V Mignon Alkali					
Size	125 x 65 x 30 mm or 4.7" x 2.6" x 0.9"					
Weight	340 g (with batteries) or 11 oz					

Standard delivery:

- Fe (F1) - or NFe (N1)-probe
- Set of 5 calibration foils
- 1 Substrate
- Stable service case
- User Manual
- USB cable and software for PC transfer

Optional:

- Other probes



Salutron Messtechnik GmbH
 D-50226 Frechen
 Dr.-Gottfried-Cremer-Alle 30/7
 Phone: +49 2234 9999960
 Fax: +49 2234 9999962
 Email: info@salutron.de
 Web: www.salutron.de

Technical details subject to change.

Certified
EN ISO 9001