

Precise coating thickness measurement.

on ferrous or non-ferrous substrates

With integrated probe.
One hand operation
for all applications

Automatic calculation
and display of
statistics

Easy to use menue –
for fast and simple
adjustment.

large measuring range



**D4
D5**
SaluTron[®]

The gauges **SaluTron®D4** and **SaluTron®D5** belong to a range of non-destructive coating thickness gauges. They are used to measure coating thickness on ferrous or non-ferrous substrates. The gauges are easy to use and the user can make all the necessary adjustments with the aid of a menu – changes can therefore be implemented quickly and simply with a minimum amount of fuss. Both gauges are equipped with automatic calculation and display of statistics. They have a large measuring range of 0 to 5 mm to offer and can therefore be used for a wide variety of applications. Modern electronics and the robust instrument housing guarantee an extended lifetime for the high precision instruments. These features as well as others, make the practical hand-held pocket gauges an indispensable aid in the quest for quality control and other applications. The types **SaluTron®D4plus** and **SaluTron®D5plus** are in addition comfortable equipped with RS 232 interface, software to transfer data to PC, cable to PC, memory and statistics. Included an infrared transmitter to transfer the data directly to our Mini-Infrared-Thermoprinter „SP 100“, to print out measuring results in the right place.



Non-destructive coating thickness measurement

SaluTron®D4 / SaluTron®D4plus

The gauge **SaluTron®D4** measures all non-magnetic coatings such as synthetics, lacquers, enamels, copper, chromium, zinc, etc. on steel or iron.

SaluTron®D5 / SaluTron®D5plus

The gauge **SaluTron®D5** measures all isolating coatings such as lacquers, synthetics, enamels, paper, glass, rubber, etc. on copper, aluminium or brass. This includes eloxal coatings on aluminium as well.

Features and equipment the SaluTron®D4 and SaluTron®D5

- Automatic calculation and display of statistics
- Easy to use – just place and read the result
- Large measuring range – 0 to 5 mm
- High accuracy
- Measurement type – single-point or continuous
- Vibrations do not influence the measurements
- Wear resistant, spring-loaded ruby probe
- Measurement result can be displayed in μm or in mils
- Gauges can be switched on/off manually or automatically
- Visual alarm if the gauge is placed on the incorrect substrate or if the coating thickness exceeds the maximum range
- Integrated probe – for single-handed use
- Easy set-up – just follow the menu
- Requires no timely re-calibration for different materials
- The V-groove assists in the placement of the probe on spherical surfaces (eg. rods, pipes, etc.)
- Delivered with carrying case, which includes a zero plate, a 9-volt battery (alkaline) and the instruction manual

Additional equipment SaluTron®D4plus / SaluTron®D5plus

- Infrared transmitter
- Interface RS 232
- Memory for 8192 data units to be stored, subdivisible into max. 999 blocks of data

Optionally:

- Mini-Infrared-Thermoprinter SP 100 in a rubber protected housing to print out measuring results in the right place
- Software with statistic-function and transfer-cable to PC

Technical Specifications

Substrate: Salutron D4 Salutron D5	Steel oder Iron Non-magnetic metals such as zinc, copper, brass, aluminium, stainless steel
Continuous measuring range:	0 – 5000 μm or 0 – 200 mils
Digital display resolution:	from 0.0 – 999 μm , from 1.00 – 5.00 mm or from 0.00 – 200 mils
Resolution:	0.1 μm in the range 0.0 – 99.9 μm 1 μm in the range 100 – 999 μm 0.01 mm in the range 1.00 – 5.00 mm or 0.01 mils in the range 0.00 – 9.99 mils 0.1 mils in the range 10.0 – 99.9 mils 1.0 mils in the range 100 – 200 mils
Repeatability:	$\pm (1 \mu\text{m} + 2\%)$ of 0 – 1000 μm $\pm 3,5\%$ of 1001 – 5000 μm
Tolerance:	$\pm 1 \mu\text{m}$ or ± 0.06 mils
Minimum object size:	10 x 10 mm or 0,4" x 0,4"
Minimum curvature convex: concave:	5 mm or 0.02 " 30 mm or 1 "
Minimum substrate thickness:	Fe: 0.20 mm or 8 mils NiFe: 0.05 mm or 2 mils
Temperature range:	Storage: -10 °C – +60 °C (14 °F – 140 °F) Operation: 0 °C – +60 °C (32 °F – 140 °F)
Display:	4-digit liquid crystal display (LCD)
Probes:	Single point
Power supply:	9 Volt E block alkaline
Dimensions:	(L x B x H) 118 x 58 x 38 mm
Weight:	Approx. 150 g with the battery

Technical data subject to change without notification.



GmbH
Herstellung und Vertrieb
von Messgeräten

Zertifiziert
nach
EN ISO 9001

D-50226 Frechen . Dr.-Gottfried-Cremer-Allee 30/7
Telefon 0 22 34 - 99 99 96 0 . Telefax 0 22 34 - 99 99 96 2
E-Mail: info@salutron.de · www.salutron.de