MESSTECHNIK SaluTron®

Combined coating thickness measurement

on ferrous **and** non-ferrous substrates

- *Automatic recognition of the measurement method magnetic or eddy current*
- *Easy to use menue – for fast and simple adjustment.*
- *With integrated probe. One hand operation for all applications*
- *Automatic calculation and display of statistics*

ComBi®

D3 – D3plus

The **ComBi-D3®** is a non-destructive coating thickness gauge, which is used to measure the coating thickness on ferrous and non-ferrous substrates. It ist fitted with an automatic recognition of the measurement method magnetic or eddy current, also automatic calculation and display of statistics. The gauge allows the user to 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. These features as well as others, make the practical hand-held pocket-sized gauge an indispensable aid in the quest for quality control and other applications, where ease of use and high-speed measurements with impeccable accuracy are desired. The type **ComBi-D3®*plus*** is 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 „SP100", to print out measuring results in the right place.

Non-destructive coating thickness measurement

ComBi®D3 / ComBi®D3*plus*

The **ComBi-D3®** and the **ComBi-D3®*plus*** measures all non-magnetic coatings such as synthetics, lacquers, enamels, copper, chromium, zinc, etc. on **steel or iron** and all isolating coatings such as lacquers, synthetics, enamels, paper, glass, rubber, etc. on **copper, aluminium or brass. This includes eloxal coatings on aluminuim as well.**

Technical Specifications	
Substrate:	Steel or Iron and non-magnetic metals such as zinc, copper, brass, aluminium, stainless steel
Continuous measuring range:	0 – 3500 µm or 0 – 140 mils
Digital display resolution:	from 0.0 – 999 µm, from 1.00 – 3,50 mm or from 0.00 – 140 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 – 3.50 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 – 140 mils
Repeatability:	± (1 µm + 2%) of 0 – 1000 µm ± 3,5 % of 1001 – 3500 µm
Tolerance:	± 1 µm 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 NFe: 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.

Featuresand equippment the ComBi-D3®

- Automatic recognition of the measurement method magnetic or eddy current
- Automatic calculation and display of statistics
- Easy to use – just place and read the result
- Large measuring range – 0 to 3,5 mm
- High accuracy
- Measurement type – single-point or continous
- Vibrations do not influence the measurements
- Wear resistant, spring-loaded ruby probe
- Measurment result can be displayed in µm or in mils
- Gauges can be switched on/off manually or automatically
- Visual alarm 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 the zero plates, a 9-volt battery (alkaline) and the instruction manual

Additional equippment ComBi-D3®*plus*

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

Optionally:

- Mini-Infrared-Themoprinter 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

Certified EN ISO 9001

MESSTECHNIK SaluTron® GmbH
Herstellung und Vertrieb von Messgeräten

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