

# Innovative coating thickness measurement

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

**NEW** SaluTron<sup>®</sup> D2X

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

D1

D2X

**SaluTron**<sup>®</sup>



# 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:  $\mu\text{m}$  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 $\mu\text{m}$ (0 - 2 mm) or 0.00 - 80 mil   |  |
|                                    | NFe:                                    | 0 - 800 $\mu\text{m}$ (0 - 0.8 mm) or 0.00 - 32 mil  |  |
| Measurement display                | Fe:                                     | 0.0 - 999 $\mu\text{m}$ and from then 1.00 - 2.00 mm or 0.00 - 80 mil                                |  |
|                                    | NFe:                                    | 0.0 - 800 $\mu\text{m}$ or 0.0 - 32 mil  |  |
| Resolution                         | Fe:                                     | 0.1 $\mu\text{m}$  | in the range of 0.0 - 99.9 $\mu\text{m}$ |
|                                    |   | 1 $\mu\text{m}$  | in the range of 100 - 999 $\mu\text{m}$  |
|                                    | 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 $\mu\text{m}$                       | in the range of 0.0 - 99.9 $\mu\text{m}$   |  |
| 1 $\mu\text{m}$                    | in the range of 100 - 800 $\mu\text{m}$ |  |  |
| 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  |  |

### 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)



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Technical details subject to change.

Certified  
EN ISO 9001