USING SALUTRON PAINT AND COATING THICKNESS MEASURING DEVICE GUIDE (D4-D5)

Dear User ,

Thank you for choosing our company's product. Our company officials will help you with your questions outside of our user manual.

01) PRELIMINARY INFORMATION

SALUTRON D 4 - FE is used to measure the thickness of paint and coatings such as powder paint, varnish, c opper, chrome, zinc etc. on magnetic materials (Iron, Steel).

SALUTRON D 5 - Nfe Non-magnetic (Aluminum, Copper, Zinc, Powder paint, wet paint, varnish paper on materials (Stainless Steel, Tin), , synthetic, anodized , pine It is used to measure coating thicknesses such as rubber etc.

- Digitally in microns • ,Can measure in millimeters or mils.
  Paint and coating thickness measurement range is between 0 - 5 mm.
- It has the ability to measure pointwise or serially. • It can be used with one hand.•
  Zero calibration can be ,It's fast and simple.
  done easily.
- Our device is CE approved, DIN ISO , , ASTM , Complies with BS standards.

02) ZERO CALIBRATION

The device must be calibrated by resetting it before differentmaterialsanddifferentsurface coatings
measurements or at periodic intervals when using it for the first time, when installing new batteries.

For zeroing, calibration can be done on the zeroing plate in the
box of the device or on the Iron-Steel (uncoated) ,
plate for (D4) and on the Aluminum (uncoated) plate for (D5).
(Make sure the surfaces are clean, oil-free and dust-free.)

Resetting Process ;

- The device must be turned on.
- Press the **"ZERO"** button on the far left.
- See **"POO"** on the screen.
- Place the device on the zeroing plate or any uncoated plate you want.
- On the screen **"PInF"** be seen.
- Lift the device 8 – 10 cm from the reset plate and place it on the plate again.
- **- / 0.0** is displayed on the screen. (For micron measurements, check the - sign next to mm on the top right.)
- The device will be calibrated according to the reference surface.

NOTE : If the probe of the device or the surface of the zeroing plate is dirty etc., a slightly different value than the 0.0 result may be seen.

03) TAKING THE MEASUREMENT

- You can open the device in two ways,
  The device is automatically turned on after 2-3 seconds by pressing
  the **ON / OFF** button on the right side of the device or placing the probe on the surface to be measured.

  When the device is turned on, the type of device (S d4 –S d5) is seen on the screen.
- Place the device upright and without shaking on the paint or coating you will be measuring.

- You will see the paint and coating thickness you measured on the screen.

- If the device is not calibrated, the measurement is not correct or the material is not measurable by the device, the word **"ERRO"** (Error) will appear on the screen.

- If the coating thickness is more than 5000 microns, if the measurement area is not suitable, if the measurement is displayed on the screen.   made on cardboard etc.), **"InFi"** (Infinite) coating (wood, paper) will be

- On the convex surfaces to be measured (pipe   , mile etc.) is   ,probe of the device V
  Make it by placing the material in the shaped hole.

- When you are finished measuring, turn off the device by pressing the ON / OFF button.
  (When no measurement is made, the device automatically turns off in 40 seconds.)

  NOTES
  ÿ Keep the device away from magnetic fields or magnetic devices. ÿ Make sure
  that the surface temperature of the material you will measure **is 40 .^{ÿ} C not to exceed**

Displaying the Average and Number of Measurements Made

When the device is turned on, the device type (S d4 - S d5) is displayed on the screen, followed by the last measurement value. By pressing the **ON / OFF** button on the right side of the device again, the average of the measurements made by the device and **the AVE** text can be displayed in the middle left part of the screen .

If the **ON / OFF** button is pressed again, the number of measurements made will be displayed on the top left of the screen with " **n**"
         text can be displayed.

Deleting the Average and Number of Measurements Made

When the device is turned on, the device type and the value of the last measurement are displayed on the screen, and when **the MODE** button is pressed , the text **"ÿS"** is displayed on the screen. The text **ÿS** symbolizes the deletion of measurements. When the **ENTER** button is pressed, **NO** is displayed on the screen. **MODE** again
By pressing the button, **YES** will be displayed on the screen. By pressing the **ENTER** button, all measurements and average values can be deleted.

04) <u>MENU USE</u>

The device has adjustable features;

•Inmeasurement methods   , Singlepointmeasurementorserialmeasurement can be made.
(It provides the opportunity to see the average coating thickness.)

• Measurements can be made in microns or mils.

• You can turn on or off the sound of the device during measurement.

• The serial number of the device can be seen.

ADJUSTABLE FEATURES OF THE DEVICE

FEATURES OF THE DEVICE	ON YOUR SCREEN SEEN	ALTERNATIVE FEATURES	ON THE DEVICE SCREEN SEEN
Average	ÿsΓ	YES Delete the average values received. -------------------------- NO Deleting the average values received	Automatically identify the material to be measured
Measurement Methods **ConT**		Single point measurement --------------------------- Serial measurement	OFF (Closed) --
Type of Measurement	**Unit**	Micron --------------------------- Mils	ON (On) The micron line is visible in the upper right. --- By pressing the button, the line is moved to the bottom right.
Audible Tone **Beep**		Sound On --------------------------- Silent	ON (On) --
Serial Number **Sec**			OFF (Closed) Serial Number of the Device

Press the **"MODE"** button to adjust the device's adjustable features .
When you reach the alternative feature, press **the ENTER**b utton.
To see the feature selection, press the **" MODE "** button again and
After the change is made, the de**E**s**N**ir**T**e**E**d **R** feature is activated by pressing the **""** button.

05) TECHNICAL SPECIFICATIONS

ÿ MAGNETIC METALS (IRON – STEEL)   / **SALUTRON D 4 -Fe**

ÿ NON-MAGNETIC METALS
    ALUMINUM, ZINC,,COPPER   TIN   ,   / **SALUTRON D 5 -NFe**
    STAINLESS STEEL

MEASURING RANGE   0 –5000 microns or
                                0 –200 mils

ÿ DIGITAL SCREEN INFORMATION   0.0 –999 microns

                                  1.00 –5.00 mm or 0.0
                                  – 200 mils

ÿ MEASUREMENT TOLERANCE   ± 1 micron +2% (0 –1000 microns)

                                ± 3.5% (1001 – 5000 microns)

ÿ MEASUREMENT AREA   (Straight)   10 x10mm
                           (Convex)   5mm
                           (Concave)   30mm

ÿ MINIMUM MATERIAL THICKNESS   F   :   0.20mm
                                  Nfe   :   0.05mm

ÿ TEMPERATURE RANGE   - 10 C/ +60 C
ÿ PROBE TYPE   From aSingle Point
ÿ POWER   9 Volt – E Block Alkaline Battery
ÿ DEVICE DIMENSIONS ÿ   118 x58 x38mm
WEIGHT   150 gr. (Approximate Weight with Battery)

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