LIMIT

5100

Coating Thickness Gauge

Operating manual

LiMiT

Language Contents

Language   **page**

LiMiT

Coating Thickness Gauge Limit 5100.

General information

Limit 5100 measure thickness of coating. E.g. paint, plastic, porcelain enamel, copper, zinc, aluminium, chrome galvanizing layer on magnetic and non-magnetic materials.

Specification

Range		0 – 1000 µm
Reading	0-100 µm	0,1 µm
	100-1000 µm	1 µm
Accuracy		$\pm$ 2,5 µm or 1-3 %.
Battery		4 st 1,5 V AAA
Automatic off		After 2 minuts

Operation

1. On or manuell OFF. Push the Ө-button.
The instrument will be auto-calibrate so always keep the probe away from any metal for 3 seconds after power on.
2. Select magnetic or non-magnetic material with N/NF button. The display indicate Fe for magnetic material or NFe for non-magnetic material.
3. Select µm for reading in 1/1000 mm.
4. Place the probe on an layer to be measured. Read the coating thickness on the display.
5. For next measurement lift the probe more than 10 mm and repeat the measurement.

Calibration

1. Place the probe on an uncoated area.
2. Push the ZERO button.
3. Lift the probe.
4. Select a calibration foil according to your measurement range. Measure the calibration foil on the uncoated area.
5. Lift the probe and adjust with the ▲ ▼ buttons the value on the display to same value as foil.
6. Repeat the test measurement and adjust the value until the result is correct.

It is recommended that calibration is made on same material as to be measured.

Replace battery

When battery symbol shows on the display.
Remove the battery lid on backside and replace with 4 pcs 1,5 V batterys type AAA.