



The **MarconiLab digital thickness gauge** is a modern and accurate instrument for easy and reliable measurements of non magnetic materials. This non-invasive tool is suitable specifically for those semi-closed, hard to probe surfaces with traditional devices.

EASY TO USE.

The gauge is very easy to use. Place the magnet target on one side of the surface to be measured. On the other side, the probe will automatically retrieve the target due to its magnetic attraction.

This will make it easy to move on the surface any directions with immediate measurement readings on a digital display.

The device can be used with a wide range of non-magnetic materials: composite, glass, plastic, wood and cardboard. Thanks to its digital display the result is instantaneous and clear. A fluid and continuous readout will make the measurement easy, accurate and

non-stopping on any curved or straight surfaces of uneven thickness.

APPLICATIONS.

The MarconiLab digital thickness gauge allows you a precise measurement of all those semi-closed, hard to probe surfaces. E.g. While mapping, it does not require the instrument to be opened, therefore no harm is brought to any delicate area.

BENEFITS compared with similar devices and at a competitive price, the instrument offers a non-stop measurement instead of the traditional spot ones. Moreover, thanks to its powerful calculation system, it displays the best measurements from a 1000/sec readouts. This guarantees the maximum precision also when the magnet-probe alignment is not visually easy to evaluate. Thanks to THE DIFFERENTIAL THICKNESS function it is possible to display the differential thickness between a datum point and another one in order to detect holes and bumps. The measurement is independent from the density of the materials.



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SPECIFICATIONS

- Easy readouts thanks to its digital display
- More than a 1000/sec measurements
- Light and short probe
- Optimum for semi-closed, hard to probe surfaces.
- Minimum Thickness automatic computation.
- Differential Thickness automatic computation.
- Suitable for a wide range of non-magnetic materials (carbon fiber, wood, etc.).
- Continuous read out, no need to stop any point.
- No moving parts

EASY READOUTS.

The display allows an easy, accurate and immediate reading. The measurement is continuously updated.

MORE THAN 1000 READOUTS/sec.

During normal operation, the probe makes more than a 1000/sec readings, using an average value for the thickness calculation. This reduces the risk of one accidental inaccurate reading.

GETTING ANYWHERE

Perfectly suitable to measure areas impossible to reach by conventional tools (Including those semi-closed surfaces with at least a 6mm entry hole)

MINIMUM THICKNESS

The instrument always allows an accurate measurement by spinning the probe around the target magnet even when this is out of sight.

DIFFERENTIAL THICKNESS.

By selecting a datum point it is possible to calculate the differential thickness between this and any other points, as many times as needed.

FOR ALL KIND OF MATERIALS.

By means of the Hall effect and differently to the ultrasound technology, the MarconiLab

HE thickness gauge measurement is independent from the density of the materials.

USEFUL

Useful for traders that want to check the instruments bought.

Useful for builders to optimize the instrument performance during the final setup.

Useful for repair technicians to create a valid map of the instruments to choose the right restoring approach.

Useful for museum to create dimensional analysis of their instruments with the hundredth of mm precision.

and more...

STANDARD EQUIPEMENT

- Digital Thickness Gauge HE
- Testing Probe with 90cm cable
- 6 mm pre-tuned magnet target
- 3 centering rings
- Alkaline Battery Lr9,9v.

On request:

- 3 centering rings spare
- Target magnet Alkaline Battery

