

# MarMonix MCT 801

## Coating Thickness Gauge

### Quick Spec Highlights

- Measurement Range:** 0 – 1800 µm / 70.8 mil / 1.8 mm
- Measuring error:**  $\leq 150\mu\text{m}$ ,  $\pm 5\mu\text{m}$   $> 150\mu\text{m}$ ,  $\pm (3\%H+1\mu\text{m})$
- Resolution:**  $(0.1\mu\text{m}(<100\mu\text{m}), 1\mu\text{m}(\geq 100\mu\text{m})) / 0.1\text{mil} / 0.001\text{mm}$
- Operating Temperature:** -20 °C to 40 °C



### Key Features

- Dual-substrate measurement capability – measures non-magnetic coatings on ferrous substrates (e.g., paint on steel) and non-metallic coatings on non-ferrous substrates (e.g., anodizing on aluminum).
- Automatic substrate recognition – instantly detects whether the base material is ferrous or non-ferrous, eliminating manual mode switching.
- Flexible measurement modes – supports single, continuous, and differential measurements for different test environments.
- High-accuracy calibration – zero-point, offset, and basic calibration functions ensure long-term stability and consistent precision.
- Ergonomic and practical design – compact body (62 x 27 x 121.5 mm, 105 g) with backlit LCD for field and laboratory applications.
- Energy-efficient operation – powered by two AAA batteries with auto shut-off to conserve power.

### Package Contents

- 1 x MarMonix MCT 801 Coating Thickness Gauge
- 1 x Protective carrying case or pouch
- 2 x Calibration standards or substrates
- 1 x User manual or instruction booklet
- Batteries (usually 2 x AAA, either included or specified)

### Ordering Info

- Part Number:** 7603271
- GTIN:** 6298043998154

### Warranty

This device is covered by a 2-year warranty from the date of purchase, ensuring reliability and long-term support. The warranty applies to defects in materials and workmanship under normal use. It excludes consumables (fuses, disposable batteries) and damage caused by accident, misuse, modification, contamination, or operation outside specified conditions.



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## Specifications

### Specifications

<b>Measurement ranges</b>	0 ~ 1800 $\mu$ m/70.8mil/1.8mm
<b>Resolution</b>	(0.1 $\mu$ m(<100 $\mu$ m),1 $\mu$ m( $\geq$ 100 $\mu$ m))/0.1mil/0.001mm
<b>Measuring error</b>	$\leq$ 150 $\mu$ m, $\pm$ 5 $\mu$ m >150 $\mu$ m, $\pm$ (3%H+1 $\mu$ m)
<b>Minimum diameter of magnetic substrate</b>	12mm
<b>Minimum thickness of magnetic substrate</b>	0.5mm
<b>Minimum curvature radius of convex magnetic substrate</b>	2mm
<b>Minimum curvature radius of concave magnetic substrate</b>	11mm
<b>Minimum diameter of non-magnetic substrate</b>	50mm
<b>Minimum thickness of non-magnetic substrate</b>	0.5mm
<b>Operating temperature range</b>	-20~40°C(It is recommended to calibrate it again when use in different environments, especially for large temperature difference)
<b>Operating humidity</b>	10~95%RH
<b>Power supply</b>	2*1.5V AAA batteries
<b>Overall dimensions</b>	62*27*121.5mm
<b>Weight</b>	105.03g

### Disclaimer

The information contained in this datasheet is believed to be accurate and reliable at the time of publication. However, MarMonix reserves the right to make changes to specifications, features, or design without prior notice. Performance specifications apply under standard laboratory conditions and may vary in different environments. This product is intended for professional use only. MarMonix shall not be liable for any incidental, consequential, or special damages arising from the use of this product.