

# Coating Thickness Gauge Nicety® CM8801

## User Manual

**Fe type is applicable for nonmagnetic coatings on ferromagnetic substrates, e.g., zinc, chromium, copper, tin, or paint, plastics, enamel on iron or steel.**

A symbol **Fe** is displayed on the screen.

### Non-magnetic Coating

Paint, plastic, enamel, zinc, chrome, copper, tin



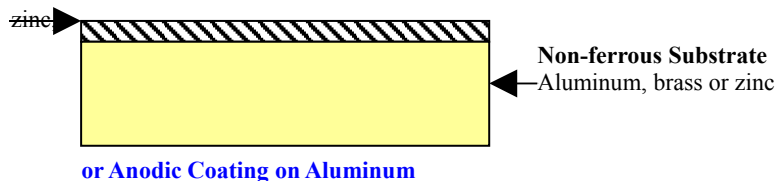
**NFe type is applicable for electrically non-conductive coatings on non-ferrous metals, e.g. paint, enamel or plastics on aluminum, brass, or zinc.**

**It also measures the anodic coating on aluminum.**

A symbol **NFe** is displayed on the screen.

### Non-conductive Coating

Paint, plastic, enamel, zinc, chrome, copper, tin



**2 in 1 (FN) type combines two probes in one meter and automatically identifies the substrate materials.**

Depending on the substrate, the symbol **Fe** or **NFe** is displayed on the screen.

### Operation Method:

Hold the gauge and push the integrated probe vertically against the coating surface. This turns on the power and starts the measurement automatically, and power is cut off after 30 seconds.

Keep the probe on the coating and hold it steadily for a while till the buzzer sounds, take up the gauge and read the measurement.

### Unit of measurement:

Press the button "µm/mil" to switch between micron (µm) and mil.(mil).

**Flip display:**

Press the button “Flip” to turn the display upside down for easy reading when measurement is taking on top, side or bottom surfaces.

**Data storage:**


Press the button “MEM” to read the final 10 measurements, “0” displays at lower corner of LCD screen, the final 10 measurements can be shown in sequence by pressing the button “+/-”.

**Calibrations:**

- a. Zero calibration: press “+” for 2 seconds, “000” displays on the screen, then take a normal measurement on uncoated metals, the reading is calibrated to zero automatically.
- b. Calibration with standard films: after measuring the calibration film, press “MEM” for 2 seconds, then adjust the reading to the right value by pressing “+/-”.
- c. Restore factory defaults: press “-” for 2 seconds, “0, 00, 000 ...” displays in sequence on the screen, the factory defaults are restored. The function is useful when standard films are not available for calibration.

Substrate blocks (iron and aluminum) and standard films:  
Included with the package for calibration or self test.

**Battery:**

The meter uses one AAA alkaline cell. Replace the battery cell when “ ” is shown on the screen, otherwise the reading may not be accurate.

**Specifications:**

Range: 0 - 1000 $\mu$ m,  
0 - 40 mils

Accuracy:  $\pm$  (2 $\mu$ m +3%),  
 $\pm$  (0.1 mils + 3%)