



COATING THICKNESS GAGE

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.

NFe Type is applicable for electrically non-conductive coatings on non-ferrous metals, e.g., paint, enamel, or plastics on aluminum, brass, or zinc and anodic coating on aluminum. A symbol **NFe** is displayed on the screen.

FNF Type combines two probes in one meter and automatically identifies the substrate material. Depending on the substrate, the symbol **Fe** or **NFe** is displayed on the screen.

Operation Method:

Hold the gage and push the integrated probe vertically against the coating surface turns on the power and starts the measurement automatically. Device automatically turns 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.

Units Of Measurement:

Press the "**µm/mil**" button to switch between microns (µm) and mils(mil).

Flip Display:

Press the "**Flip**" button to turn the display upside down for easy reading when measurement is taken on top, side or bottom surfaces.

Data Storage:

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

Calibration:

a. Zero calibration: press "**+**" for 2 seconds, "**00.0**" 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 "**+/-**" button.

c. Restore factory defaults: press "**-**" for 2 seconds, "**00.0**" 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 And Standard Calibration Films:

Available with the package for calibration or self test.

AAA Alkaline Cell:

Replace the battery cell when "**⊖+**" is shown on the screen, otherwise the reading may not be accurate.

Specifications:

Range: 0 - 1000 µm
0 - 40 mils

Accuracy: ± (2.0 µm + 3%)
± (0.1 mils + 3%)