

I am not robot!

Cm-8821 coating thickness meter manual. Cm-8822 coating thickness meter.

CM8811FN Paint Coating Thickness Gauge: A Precise Measuring Tool The CM8811FN paint coating thickness gauge is designed to accurately measure the thickness of non-magnetic coatings on magnetic or non-magnetic metal substrates. Its features include: Continuous and single measurement options Simultaneous display of measuring value, average value, maximum value, minimum value, and standard deviation Memory for storing up to 50 data points Unit conversion from metric to imperial (μm/mil) selectable Additionally, the gauge has a bright adjustable backlight, alarm function with settable high and low range, and calibration options including zero-in, two-point, and multi-point calibration. The device also features low battery indication, language selection between English and Chinese, and data deletion capabilities. Specifications: Measurement range: 0-1250μm (0-50mil) Resolution: 0.1μm (0-99.9μm), 1μm (<100μm) Accuracy: ±(2%+2μm) or ±(2%+0.1mil) Display: TFT 320*240 LCD Operating conditions: Temperature: 0°C to ~40°C Humidity: 20% RH to 90% RH The gauge also includes ferrous and non-ferrous probes, a zero button for quick adjustment in the field, and automatic probe recognition. It is designed to meet ISO 2178 and ISO 2361 standards. Includes resetting factory settings, unit settings, and S/C settings, which should be done within 6 seconds at each stage to prevent gauge malfunction. It is strongly recommended not to modify Ln value (controlled by power key) without expert knowledge, as it may significantly affect accuracy. Adjusting Ln requires professional expertise, especially when replacing probes or enhancing gauge precision.



It is designed to meet ISO 2178 and ISO 2361 standards. Includes resetting factory settings, unit settings, and S/C settings, which should be done within 6 seconds at each stage to prevent gauge malfunction. It is strongly recommended not to modify Ln value (controlled by power key) without expert knowledge, as it may significantly affect accuracy. Adjusting Ln requires professional expertise, especially when replacing probes or enhancing gauge precision. Before calibration, ensure that factory settings are restored. Calibration involves placing a standard foil on the substrate and adjusting the probe until the reading matches the expected value. Repeat this process for each standard foil until desired accuracy is achieved. For battery replacement, slide the Battery Cover and remove the batteries (4x1.5v AAA/UM-4). Install new batteries correctly into the case. If the instrument will not be used for an extended period, remove batteries to prevent damage. To minimize measurement errors, calibrate on uncoated materials whenever possible. Probes will eventually wear out, indicated by '5' appearing on the Display. This handheld precision measurement device displays 4-digit measurements on a 10mm LCD screen. It measures lengths ranging from 0 to 1250 um (or 50 mil) with an accuracy of ±1~3% or ±2.5 um (whichever is greater).
The device connects via RS-232C interface and comes with software, though these are optional accessories that must be purchased separately. The device operates using four 1.5V AAA batteries, housed in a compact body measuring 126x65x27 mm (approximately 5 inches long, 2.6 inches wide, and 1.1 inches thick). The total weight of the device is around 120g, or 160g if an additional probe is included. The package includes: * Carrying case: 1 pc. * Operation manual: 1 pc. * F-type probe (if applicable): 1 pc. * N-type probe (if applicable): 1 pc. * Calibration foils: 1 set * Substrate iron (if F type): 1 pc. or substrate aluminum (if N type): 1 pc. * Humidity calibration foil (if using two probes): 1 pc. Note that the device is designed for operation in a temperature range of 0 to 50°C and relative humidity below 80% if using two probes.