



0.001mm Resolution  
Live Color A/B Scan  
Precision Thickness Gauge

## Characteristics of Instrument

1. High precision, 0.001mm resolution
2. Real time A-Scan with adjustable gain, range, blanking etc.
3. Especially fits for ultrathin workpiece, can accurately and reliably measure down to 0.2 mm
4. Measure through coatings, e.g. coatings on the substrate, the net thickness of the substrate can be measured without removing coatings
5. Unique multiple-wave verify mode, all the thickness values have been checked through 3 to 9 times of echos, which makes the result more reliable and accurate

## Instrument Parameters

Display	2.4QVGA(320×240>true color OLED screen, contrast 10000:1
Measurement Modes	Interface-Echo Mode( I-E):for thick material Echo-Echo Mode (E-E):for the thin material and measure through the coating Multiple Echo Verify Mode (ME-E): All the thickness values have been checked through 3 to 9 times of echos, which makes the result more reliable and accurate Auto Mode:The instrument select the measuring mode automatically according to the different material being tested
Measuring Range(Steel)	Interface-Echo Mode: 1.5mm-27mm Echo-Echo Mode: 0.25mm-13.5mm Multiple Echo Verify Mode: 0.25mm-9mm Auto Mode: 0.25mm-27mm
Display Mode	A-SCAN: Displays the whole RF echo or half-waveform after rectified B-SCAN: Real time B-Scan, displays the profile of the workpiece Big Thickness Value: The conventional display of the thickness value Difference/Thickness thinning rate:Display the difference between the real thickness value and the preset thickness value, and the percentage of the thinning value Min./Max. Capture: Display the current thickness value, Min. value and Max. value at the same time
Gain	Real time continuously adjustable, adjustable range 41dB
Measuring Resolution	0.001 mm or 0.01mm (0.0001 in or 0.001 in)
Measuring update rate	Selectable 4Hz, 8Hz, 16Hz per second
Material Velocity Range	500-9999m/s, 0.0197-0.3937in/us
Alarm Setting	Dynamically change the color of thickness value when the measuring value exceeds the upper limit or lower limit of preset
Units	Inch or Millimeter
Language	Chinese, English, French, Germany, Japanese
Power	2 AA size batteries, Operating time is more than 35 hours
Instrument Shut-off	Selectable ALWAYS ON or AUTO OFF after 5, 10 or 20 minutes of inactivity
Working Temperature	-10°C ~+50°C
Size	153mm × 76mm ×37mm(H ×W ×D)
Weight	280g including batteries

## Data Recorder (Limit to PM-5DL)

Capacity	400 files, 100,000 thickness values and 1000 groups of waveforms
File Structure	Grid file
Line Number * Column Number	21*12
Communication Connector	USB 2.0 Full Speed Connector
Communication Software	Data View Software