



PM-5, PM-5DL High Precision Ultrasonic Thickness Gauge

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



PM-5DL

Characteristics of Instrument

1. High precision, 0.001mm resolution
2. Parameters such as Live A-Scan, gain, range, blanking etc. are adjustable
3. Especially suitable for thin workpiece, can accurately and reliably measure down to 0.2 mm
4. Measure through coatings e. g. paintings on the substrate, measure 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 better accuracy.

Instrument Parameters :

Display	2.4QVGA(320×240)true color OLED screen, contrast 10000:1
Measurement Modes	<p>Interface-Echo Mode I-E : For thick material</p> <p>Echo-Echo Mode E-E: For the thin material and measure through the coating layer</p> <p>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 better accuracy.</p> <p>Auto Mode:The instrument can choose the measuring mode automatically according to the material being tested.</p>
Measuring Range(Steel)	<p>Interface-Echo Mode: 1.5mm-27mm</p> <p>Echo-Echo Mode: 0.25mm-13.5mm</p> <p>Multiple Echo Verify Mode: 0.25mm-9mm</p> <p>Auto Mode: 0.25mm-27mm.</p>
Display Mode	<p>A-SCAN: Displays the whole RF echo or half-waveform after rectified</p> <p>B-SCAN: Real time B-Scan, Displays the profile of the workpiece</p> <p>Heavy Thickness Value: The conventional view of the thickness value</p> <p>Difference/Thickness thinning rate: Display the difference between the real thickness value and the preset thickness value, and the percentage of the thinning value</p> <p>Min. /Max. Capture: Display the current thickness value, the Min. value and the Max. value at the same time</p>
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	Alarm with dynamic change the color of thickness value when the measuring value exceed 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 Greater than 35 hours
Instrument Shut-off	Selectable ALWAYS ON or AUTO OFF after 5, 10, 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 value and 1000 groups of waveform
File Structure	Grid file
Line Number * Column Number	21*12
Communication Connector	USB 2.0 Full Speed Connector
Communication Software	Data View Software