Portable Ultrasonic Flaw Detector MFD350B range 6000mm

Description:

Based on ultrasonic pulse reflection testing principle, MFD350B controls all testing process by the mini-processor. And it has low power design and can do charge with two models such as online chargeing and offline charging. And it can work continuously about 8 hours.With large capacity, digital multi-color TFT LCD, original imported stable IC, small size, light weight, stable performance and favorable price, MFD350B is one of our company's high promoted super cost performance and economically ultrasonic flaw detector.

Applications:

- With English display, master-slave menu, shortcut key and digital swiftly knob, it's designed with leading technology and can be used very conveniently.
- With digital color TFT LCD display, it can choose the background colour and wave color acoording to the environment. And the LCD brightness also can be set freely by yourself.
- Designed with high performance security-guarantee battery module, it's easy for disassembly and assembly. And it can charge independent with offline. And the large capacity and high performance Lithium-ion battery module make the instrument' continously working time to above 8 hours,
- With small size and light weight, the instrument can be hold by one hand. It's durable in use and lead industry trend.

Specifications:

- Range: (0 ~ 6000) mm
- Bandwidth: (0.5 ~ 10) MHz
- Material Velocity: (1000 ~ 9999) m / s
- Dynamic Range: ≥ 32dB
- Vertical linear error: ≤ 3%
- Horizontal linear error: ≤ 0.2%
- Resolution:> 40dB (5P14)
- Sensitivity Leavings: 60dB (flat-bottomed deep hole 200mmΦ2)
- Rejection: (0 to 80)% Linear
- Noise level: ≤ 10%
- Power supply: DC 9V; lithium batteries work for 10hours or more
- Ambient temperature: (-20 ~ 50) ℃
- Relative Humidity: (20 ~ 95)% RH
- Overall dimensions: 263 × 170 × 61 (mm)

Competitive Advantage:

Peak Hold:

    Automatically searching the peak wave inside the gate and hold it on the display.

Equivalent diameter calculation: find out the peak echo and calculate its equivalent diameter.

Continuous Record: Record the display continuously and save it to the memory inside the instrument.

Defect Localization: Localize the defect position, including the distance, the depth and its plane projection distance.

Defect Sizing: calculate the defect size

Defect Evaluation: Evaluate the defect by echo envelope.

DAC: Distance Amplitude Correction

AVG: Distance Gain Size curve function

Crack measure: Measure and calculate the crack depth

B-SCAN: Display the cross-section of the test block.

Standard Package:

No.	Item	Quantity
1	Main Body	1
2	Straight Beam Probe 4P,10mm	1
3	Angle Probe 4P8*9,60°	1
4	Machine-probe Cable	1
5	Battery Module	1
6	Power Adapter (Charger)	1
7	Support Pillar	1
8	Manual	1
9	Instrument Case	1
10	Software with cable	1