

**Product Name :**  
Portable Functions Ultrasonic Flaw Detector

**Product Code :**  
CHINAELABC5240002



**Description :**

Portable Functions Ultrasonic Flaw Detector

**Technical Specification :**

Ultrasonic flaw detector is convenient for operation with powerful functions provided. The ultrasonic flaw detector can quickly and accurately detect various defects inside the workpiece. The digital LCD display shows data with the adjustable brightness. The operation interface is user-friendly and wave graph displays exquisitely so that all defects will be clearly found in the full screen. Curve making, probe calibration and other operations can be worked automatically. With the core processing CPU frequency of 400MHz, this portable ultrasonic flaw detector quickly makes complex calculation and intelligent defect analysis. Low-power design with high-capacity lithium battery can support more than 10 hours of continuous operation.

**Technical Parameters**

Measuring range: 0~9999mm at steel velocity

Material velocity: 1000~9999m/s

Display delay: -20 to 3400 $\mu$ s

Probe delay/zero offset: 0~99.99 $\mu$ s

Sensitivity: max. 110dB in selectable resolutions of 0.1, 1.0, 2.0, 6.0 dB and locked

Test mode: pulse echo, dual element and thru-transmission

Pulser: tunable square wave pulser

Pulse repetition frequency: 10~1000Hz

Pulse energy: 200V, 300V, 400V, 500V, 600V

Bandwidth (amplifier bandpass): 0.5~15MHz

Gate monitor: two independent flaw gates controllable over entire sweep range

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Rectification: positive half wave, negative half wave, full wave, RF  
System Linearity: horizontal: +/-0.2%FSW, vertical: 0.25%FSH, amplifier accuracy: +/-1dB  
Rejection (suppression): 0~80% full screen height  
Units: inch or millimeter  
Transducer connection: BNC or LEMO  
Power: AC mains, 100~240V AC, 50~60Hz  
Operating temperature: -10~50  
Storage temperature: -30~50



**Engineering Lab China**