

**Product Name :**  
Portable Ultrasonic Flaw Detector

**Product Code :**  
TEST5161RFQLAB-0001



#### Description :

Portable Ultrasonic Flaw Detector for Testing Lab Equipment Tender Suppliers India

#### Technical Specification :

Portable ultrasonic flaw detector has the measuring range of 0-6000mm which can meet the defect detection needs of manufacturer and steel requirements of metallurgical industry, metal processing industry, and chemical industry.

The low-power consumption design and large-capacity lithium battery guarantee that the ultrasonic flaw detector can be used for a few months.

##### Technical Parameters

Measuring range: 0~9999mm at steel velocity

Bandwidth: 0.2 to 15MHz (automatic matching according to the probe frequency)

Material velocity: 1000-15000m/s

Dynamic range: ?36dB

Vertical linear error: ?2.0%

Horizontal linear error: ?0.1%

Resolution: >40dB (5P14)

Sensitivity leavings: 62dB (deep flat-bottom hole 200mm ?2)

Rejection: 0~80% linear without affecting the linearity and gain

Noise level: ?8%

Probe type: straight beam probe, angle beam probe, dual element probe, through-transmit probe

Gates: wave-getting gate, wave-losing gate, single gate reading, dual gate reading

Alarm: beep alarm and LED light alarm

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Power supply: DC 9V  
Working time: ?10 hours  
Overall dimension: 263×170×61mm  
Operating temperature: -10?~50?  
Relative humidity: 20~95%  
Pulse energy: 200V, 300V, 400V, 500V selectable (suitable for various probes)  
Pulse width: 30~510ns with continuous adjustments to different frequency probes  
Probe damping: 200?, 500? selectable for meeting different requirements of resolution and sensitivity  
Sampling: 10 digits AD converter at the sampling speed of 400MHz, waveform of highly fidelity  
Rectification: positive half wave, negative half wave, full wave, RF  
Gate reading: optional for single gate and double gate reading mode; peak readings within the gate  
Gain: 0~110dB adjustable in selectable steps of 0.1 dB, 1 dB, 2dB and 6dB  
Probe connections: BNC or LEMO  
Note: all above indicators are got with 2.5 MHz probe and full wave detecting method.

We are a leading manufacturers of Portable Ultrasonic Flaw Detector testing equipment for a range of industries, including materials science testing lab. We offer full range of Portable Ultrasonic Flaw Detector testing equipment, including Portable Ultrasonic Flaw Detector testing kit, Portable Ultrasonic Flaw Detector testing machine, Portable Ultrasonic Flaw Detector testing tools, Portable Ultrasonic Flaw Detector test equipment, Portable Ultrasonic Flaw Detector test machines, Portable Ultrasonic Flaw Detector for Lab Testing Instruments. We are suppliers of materials testing tools and equipment for the construction industry. Our mission is to provide reliable, accurate, and easy-to-use Portable Ultrasonic Flaw Detector testing equipment that helps customers build better, safer, and more sustainable infrastructure.



**Testing lab instruments India**