

# ULTRASONIC FLAW DETECTOR

## ULTRASONIC FLAW DETECTOR LEEB500



### FEATURES

- Probe automatic calibration
- DAC and AVG are automatically formed, and can be corrected and compensated
- Freely switch to four kinds of standards (depth D, level P, distance S, amplitude H)
- Automatically calculate the  $\phi$  value equivalent defects
- Storage: 980 pieces of A-scan images and data
- The width and intensity of launch pulse are adjustable;
- With the durable shell ,oil-proof, water-proof and dust-proof;
- PC software is available for data analysis, management and reports printing
- Power supply: rechargeable Li-ion battery, standby time more than 15hours

### APPLICATION

Application for quickly and accurately detection, positioning, evaluation and diagnosis of various flaws in the work-piece, such as cracks, welds, blowhole, etc. It Widely used in electric power, petrochemical, boiler and pressure vessel, steel, military, aerospace, railway transportation, automobiles, machinery, and other fields.

### TECHNICAL SPECIFICATION

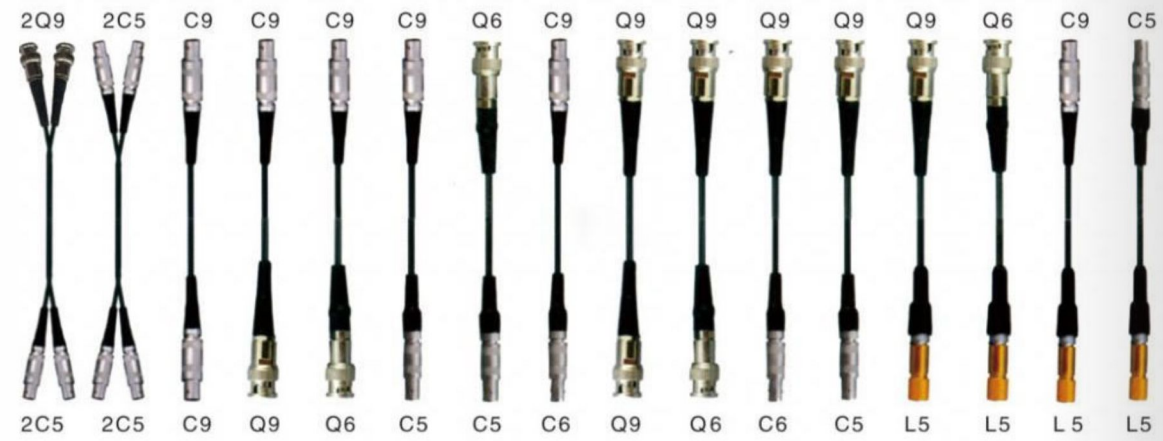
Model	Leeb500
Operating Frequency	0.5MHz~15MHz
Scanning Range	0-6000mm
Vertical linearity error	$\leq 4\%$
Horizontal linearity error	$\leq 0.1\%$
Dynamic Range	$\geq 32\text{dB}$
Noise Level	$< 8\%$
Velocity Range	1000~9999 (m/s)
Testing Sensitivity	$\geq 60\text{dB}$ (Depth 200mm, $\Phi 2$ flat bottom hole)
Gain Range	0~110dB
Standard Probes	Straight probe: 2.5MHz, diameter 20mm, cable Q9-Q9 Angle probe: 4MHz, 60 degree, 8*9 mm, cable Q9-C5
Standby Time	$\geq 10$ hours of continuous work
Temperature	(-20 ~ 70) °C
Humidity	(20 ~ 95)% RH
Overall dimension	240×160×40mm
Weight	1.2kg
Standard Delivery	Main Unit, Straight probe, Angle probe, Power adapter, BNC cables, PC software, Manual, Certificate, Warranty card
Optional Accessories	Optional probes, Cables, Calibration blocks, Coupling agent



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## ACCESSORIES

### Different Cables for probes



### Standard Probes



### PC Software

