

ULTRASONIC FLAW DETECTOR

ULTRASONIC FLAW DETECTOR LEEB510/520/521/522



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)
- Functions such as Auto-gain and peak memory improve detection efficiency
- Automatically calculate the ϕ value equivalent defects
- 13 built-in testing standards are available
- Storage: 980 pieces of A-scan images and data
- Power supply: rechargeable Li-ion battery, standby time more than 15hours
- 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.

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

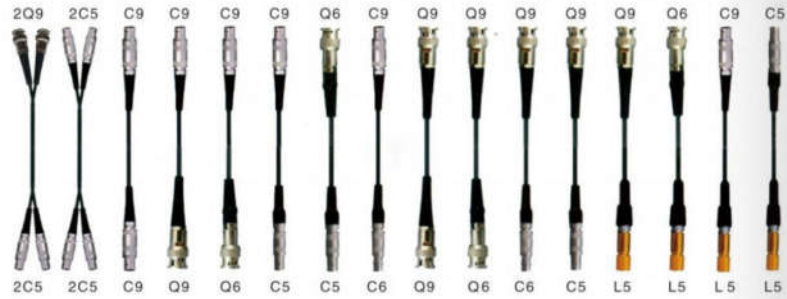
Model	Leeb510	Leeb520	Leeb521	Leeb522
Operating Frequency	0.5MHz~15MHz		0.5MHz~20MHz	
Scan Range(mm)	0-6000mm		0-10000mm	
Velocity Range (m/s)	1000~15000	100~18000	100~20000	
Vertical linearity error	<3%		<2%	
Dynamic Range	>32dB		>35dB	
Horizontal linearity error	<0.2%		<0.1%	
Testing sensitivity	≥62dB (Depth 200mm, Φ2 flat bottom hole)		≥65dB (Depth 200mm, Φ2 flat bottom hole)	
Measuring channel	50			100
Storage	500			980
TCG curve	○	○	●	●
B Scan	○	○	○	●
PC Connection			●	
Video	○	○	○	●
Gain Range(dB)	0~110	0~120	0~130	
Standard Probes	Straight probe: 2.5MHz, diameter 20mm, cable Q9-Q9 Angle probe: 4MHz, 60 degree, 8*9 mm, cable Q9-C5			
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

