

## ***EUT103 Ceramics Electrical insulator Ultrasonic Flaw Detector***

The EUT-103 is a portable ultrasonic flaw detector suitable for flaw detection of welds in various steel plates and forging. Its features is high sensitivity, broad frequency band ,high resolution, low consumption, excellent steadiness and stability, light and easy for operation, etc. It is especially for mobile outdoor use or work at high altitude, in fields of power.

### ***Main Specifications***

- Frequency 0.5 ~ 15MHz. 1~6 MHz or 0.5~15MHz two stalls,
- Gain 0.0~ 110.0dB. Steps as 0.5, 2.0, 6.0 dB
- Sampling Rate 400MHz
- Transmitter Pulse Sharp Wave Pulser,  
Transmitter Pulse Voltage:  $\geq 500V$ ,  $t_r \leq 15ns$ ,
- Surplus Sensitivity  $\geq 66dB$
- Range of Flaw Detector 0.0~ 5000mm  
(longitudinal wave at steel velocity)
- Measurement Resolution ratio 0.01mm
- Vertical Linearity Accuracy  $\leq 3\%$
- Horizontal Linearity Accuracy  $\leq 3\%$
- English /Chinese menu for selection, with text prompt during operation
- Large memory for saving up to 1000 data sets, including echoes, curves, parameters, detection reports, etc.
- Signal replay:the signal which flaw detector in 4 hours be capabil to storage and replay.
- The specially technology of flaw detection: stored many procedures for flaw detection in high strength porcelain and normal porcelain.
- B-scan imagery: display of A/B –scan, defection imagery.
- The Shortcutkeys for Flaw Detector of high strength porcelain and normal porcelain, Automatically test of the acoustic velocity,repelay, A/B-scarn, save and operation instruction.
- High-speed USB interface allows data storage on USB drive and PC ommunication.
- LAN port allows remote data transfer and management. It provides management to instrument parameters when the instrument is used as independent square wave pulser
- Power Supply : Large-capacity Li Battery, no memory effect; Battery (14.8V, 6.3Ah) Operating time: More than 6 hours.



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