

# Ultrasonic Flaw Detector

## NDT-X5



### FEATURES

- One Function Key, Easily Operate
- Ideal Menu Style
- Auto Calibration : Velocity, Probe Delay, Angle/K Value

### FUNCTION

- USB for storage, plug and play  
Convenient to read thickness values
- B Scan-Display Flaws Directly  
Reducing analysis difficulty , missing detector
- Massive Data Memory  
200,000 values/5 minutes video
- Electronic Choice : Flaw detector together  
with high accurate thickness measured
- 5 Intelligent DAC curves , comply to JIS and  
API standard

### OPERATION

- High Accuracy: 10 places for AD samples
- Extra-long Standby Time:  
20 hours, getting rid of trouble from battery
- Display screen could be adjusted to provide  
5 optimum brightness
- Magnesium alloy case, AP65 encapsulation,  
strong and durable , avoiding  
electro-magnetic interference

### Specification

Measuring Range	1.0~12000mm
Resolution	0.01mm(<100mm) 1mm(>100mm)
Velocity	500~20000m/s 20 fixed velocities
Delay	-20~3400us /resolution : 0.1us
Probe Delay	0~99us /resolution: 0.01us
Auto Calibration	Velocity Calibration &Probe Delay Calibration
Linear Error	<b>Horizontal error ≤ 0.1% Vertical error ≤ 3%</b>
Dynamic Range	≥ 36dB
Sensitivity	≥ 64dB 200mm Φ2 flat bottomed hole
Dimension (mm)	240×180×50mm
Weight	1.9Kg (including battery pack)
Working Environment	Temperature: -20°C~70°C Humidity: 5%~90%
Dive Pulse	Negative spikes, high energy/low adjustable
Launch Repetition Frequency	PFR transmit pulse continuously adjustable
Matched Damp	50/150/400Ω
Measuring mode	Peak/Verge
Bandwidth	0.3~1/0.5~4/2~15MHZ
Detector Pattern	0/0.1/0.2/0.5/1/2/6/12/ 0~110dB
Detector Pattern	RF/Full-Wave/Positive/Negative/half-wave