

Digital Ultrasonic Flaw Detector EFD-300



1. Automated calibration, Automated gain
2. DAC, AVG, TCG, B scan, AWS
3. High-speed capture and very low noise
4. Solid metal housing
5. high contrast viewing of the waveform from bright
6. Powerful pc software and reports can be export to excel

Features:

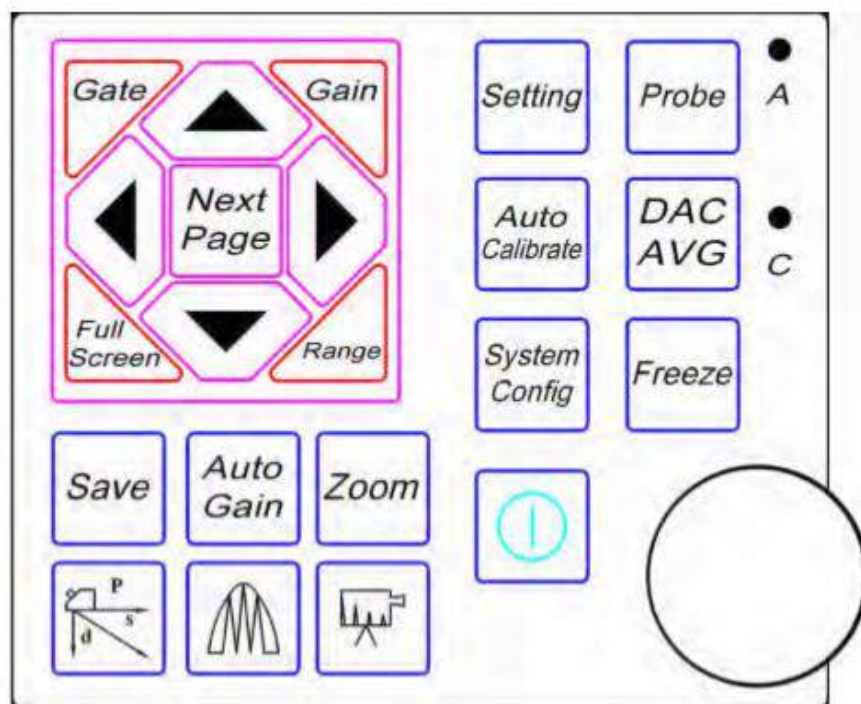
1. Automated display precise flaw location (Depth d, level p, distance s, amplitude, sz dB, ϕ)
2. Automated switch three staff gauge ((Depth d, level p, distance s);
3. Automated calibration of transducer Zero-point, Angles, Front edge and material Velocity.
4. Convenient to make and use DAC\TCG and AVG to evaluate the echo, the curve can be modified and compensated
5. 6dB DAC functions;
7. 100 independence setup, any criterion can be input freely, we can work in the scene without test block;



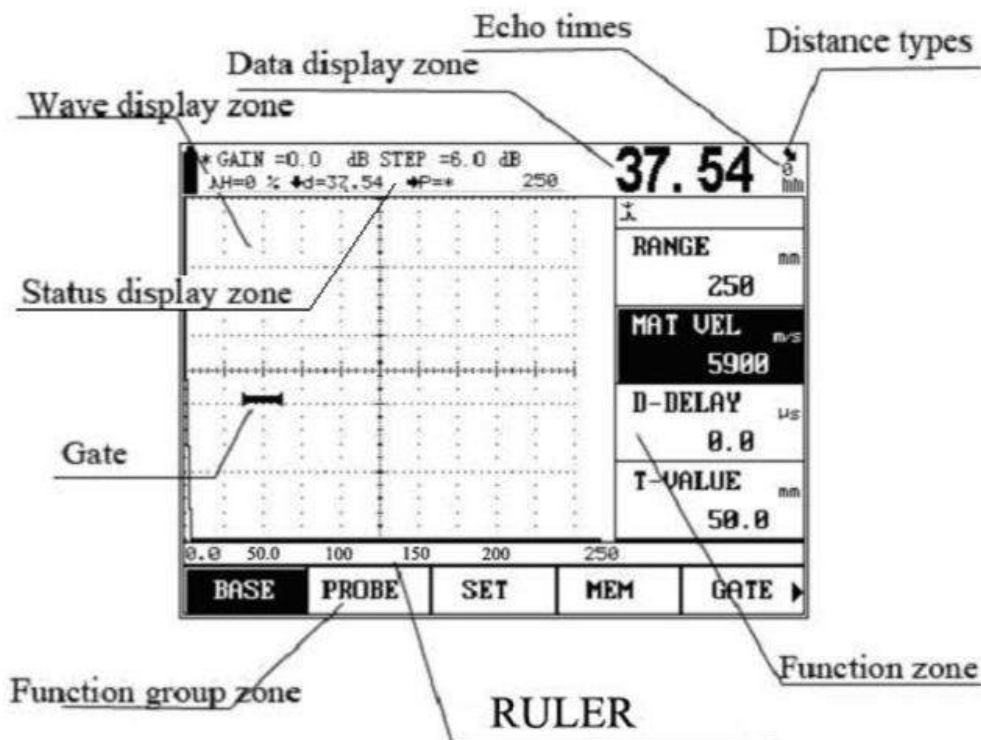
8. Big memory of 1000 A graph
9. Automated gain and gain scan;
10. Peak Hold and Peak Memory;
11. B scan;
12. AWS D1.1
13. Automated make video of test process and play; use upan, the length of video is unlimited.
14. Powerful pc software and reports can be export to excel;
15. Li battery, continue working time up to 10 hours;
16. The embeded software can be online updated.

Assistant function:

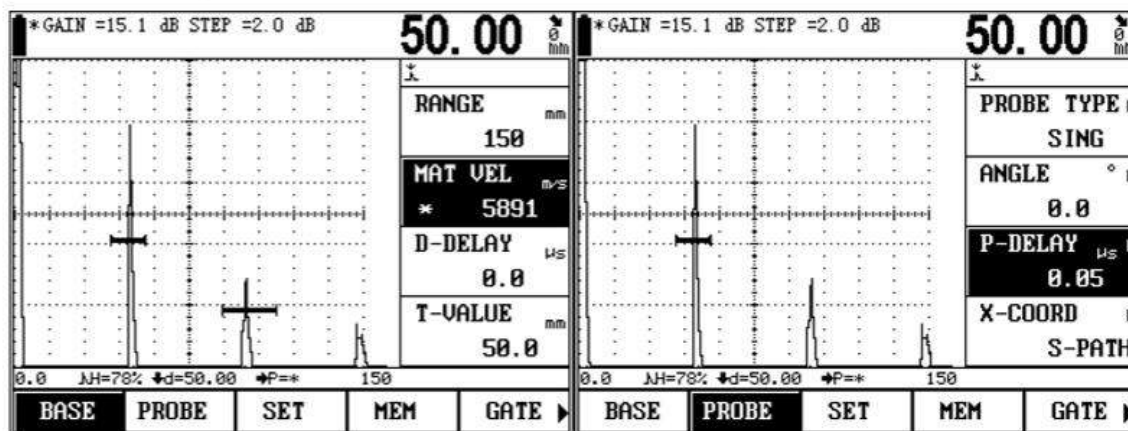
1. Display freeze;
2. Automated echo degree;
3. Angles and K-value;
4. Lock and unlock function of system parameters;
5. Electronic clock calendar ;
6. Two gates setting and alarm indication;
7. Gate and DAC alarm;



Function keyboard



Description of screen



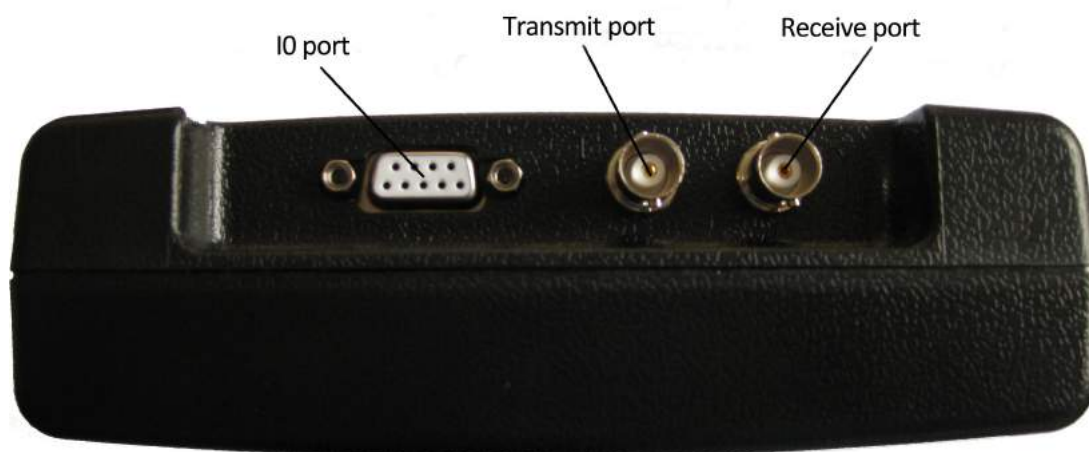
Calibrating

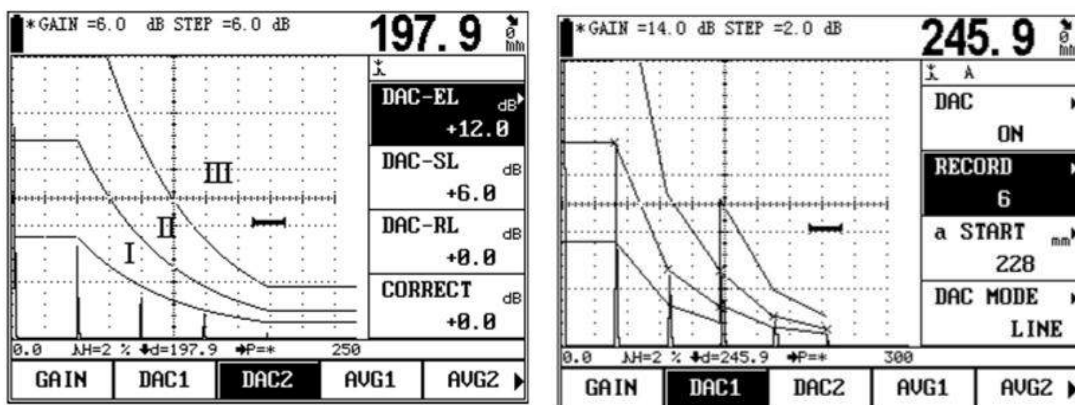
Specification:

Title	Parameter	Title	Parameter
Measuring Range (mm)	0 ~ 10000	Measurement Mode	Single、Dual、Thru
Vertical Linearity Error	≤3%	Reject	0~80%
Horizontal Linearity Error	≤0.1%	Pulse Displacement (μs)	-20 ~ +3400
Sensitivity Leavings	≥62dB	Zero (μs)	0.0 ~ 99.99
Dynamic range	≥34dB	Port Type	BNC (Q9)
Resolving Power	≥36dB	Operating Temperature (°C)	-20~50



Frequency (MHz)	Range	0.5 ~ 20	H×W×D(mm)	240×156×50
Gain (dB)		0 ~ 120	Weight (kg)	1.0(with battery)
Material (m/s)	Velocity	1000 ~ 15000		





DAC curve



Gross weight: 4kg

Packing size: 380X330X120mm

Standard delivery:

Name	Qty	Name	Qty
Main unit	1 set	1.5A/9V power adaptor	1 piece
probe connecting cable	2 pieces	Carrying case	1 piece
Instruction manual in English	1 piece	Straight probe 3/4" 2.5MHz	1 piece
Angle probe 8×9 60° 4MHz	1 piece	Serial cable (9 pin)	1 piece
Communication software for PC	1 piece		