YFD300 Ultrasonic Flaw Detector Weld Testing Equipment
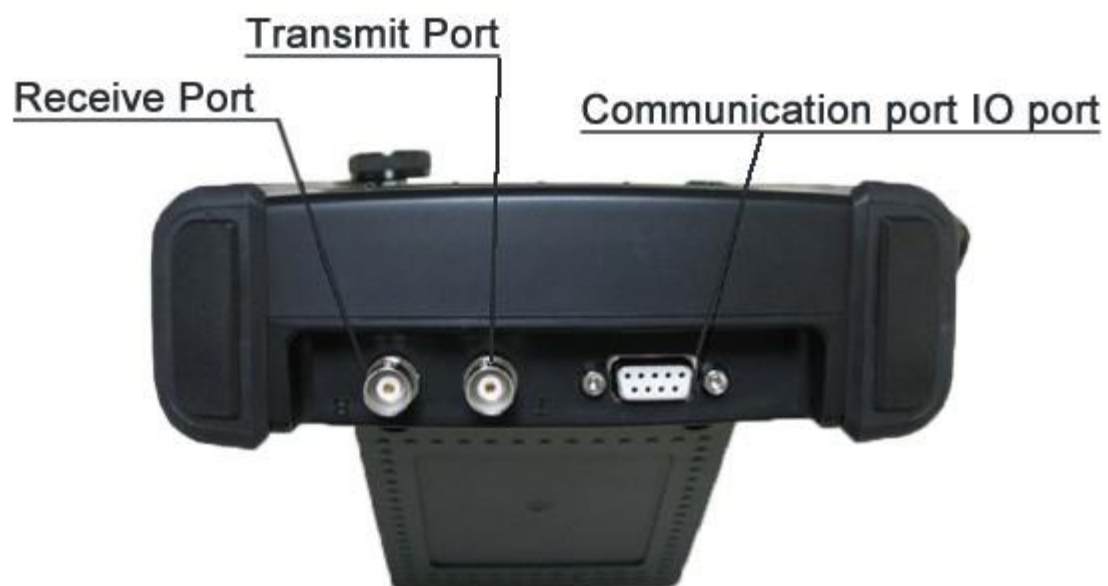
Features

1. Automated calibration of transducer Zero Offset and/or Velocity ;
2. Automated gain,Peak Hold and Peak Memory;
3. Automated display precise flaw location(Depth d,level p,distance s,amplitude,sz dB,Diameter);
4. Automated switch three staff gauge ((Depth d,level p,distance s);
5. 500 independence setup, any criterion can be input freely, we can work in the scene without test block;
6. Big memory of 1000 A graph.
7. Gate and DAC alarm;Acoustic-Optical alarm;
8. RS232/USB port,communication with pc is easy;
9. The embeded software can be online updated;
10. Li battery, continue working time up to 10 hours;
11. Display freeze;
12. Automated echo degree;
13. Angles and K-value;
14. Lock and unlock function of system parameters;
15. AWS D1.1;
16. Dormancy and screen savers;
17. Electronic clock calendar ;
18. Automated make video of test process and play; Connect the Upan,the length of video is unlimited
19. Two gates setting and alarm indication;
20. High-speed capture and very low noise;
21. DAC,AVG,TCG,B Scan ; Solid metal housing (IP65);
22. Automated calculate the size of the flaw with w ide bottom type in AVG function.
23. 6dB DAC functions;
24. Provides high contrast viewing of the waveform from bright, direct sunlight to completae darkness and easy to read from all angles;
25. Powerful pc software and reports can be export to excel;

ultrasonic flaw detector

Technical Data

Range of scanning (mm)	0~10000
D-delay (us)	-20~+3400
P-delay	0.0~99.99
MTLVEL(m/s)	1000~15000
Sensitivity Leavings	>=62 dB
Dynamic range	>=34dB
Frequency Range (MHz)	0.5~20
Battery	Li battery 7.4V,4800mAh
Power adaptor	Input 100V~240V/50Hz~60Hz Output 9VDC/1.5A
Working temperature	-20C~50C
Working humidity	20%~90%
Port type	BNC or LEMO 001
Working mode	Single probe (receiving and sending), double probe (one for receiving and another for sending), transmission (transmission probe)

Transmit Port

Receive Port

Communication port IO port

Support

USB

Power port

List of standard Accessories

Designation	Quantity
Main unit	1
1.5A/9V power adaptor	1
probe connecting cable	2
Carrying case	1
Instruction manual	1
Straight probe	3/4" 2.5MHz (One)
Angle probe	8×9 60°4MHz (One)

Optional Accessories

Designation	Quantity
Serial cable	1 (9 pin)
Communication software for PC	1 set