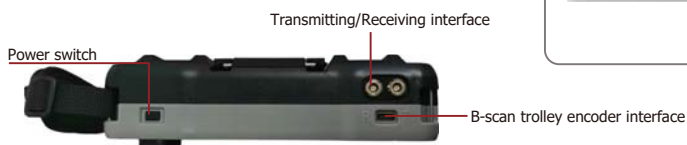
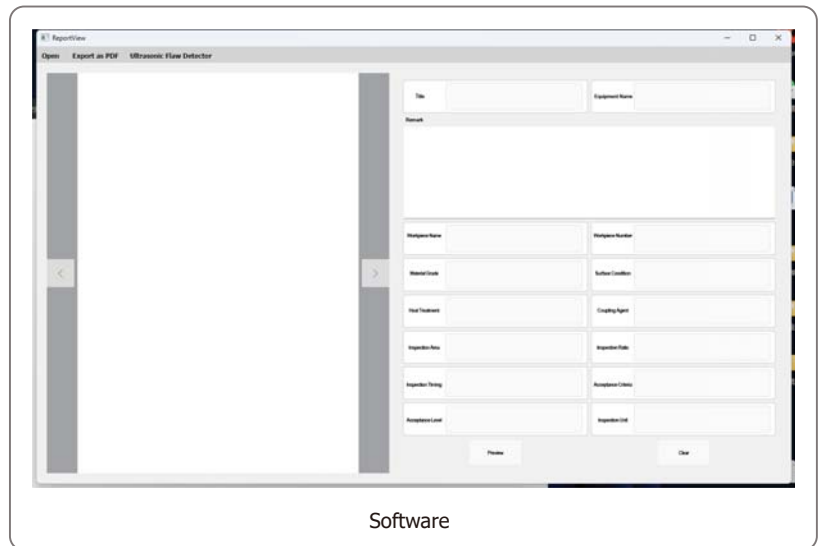


ULTRASONIC FLAW DETECTOR CODE:iFlaw-100



- The body is lightweight and suitable for one-handed operation.
- PD65W fast charge + 12 hours long battery life.
- 5.0-inch IPS high-definition display with a brand new UI interface.
- Support full-screen touch, quick gesture operation, virtual keyboard, easy to use
- With DAC, AVG, automatic gain, peak memory, color half-span, B-scan and other professional functions.
- Including Chinese and English switching, data export to SD card, online upgrade, screen capture and many other practical functions.



ULTRASONIC FLAW DETECTOR

CODE:iFlaw-100

TECHNICAL SPECIFICATION

Bandwidth	0.1MHz~20MHz
Gain	120dB, pace 0.1dB, 0.6dB, 1dB, 2dB, 6dB
Wave filter	Broadband,1M,1.25M,2.5M,5M,10M,15M,1M-5M
Sampling rate	Hardware sampling rate 100MSPS, equivalent sampling rate 400MSPS
Detection mode	Full wave, positive half wave, negative half wave, RF, envelope
Detection range	20 meters (longitudinal wave carbon steel),pace 100mm, 10mm, 0.1mm
Sound velocity range	250~16000m/s
Pulse mode	Sharp pulse, square wave, dual-square wave
Pulse voltage	25V~300V, 25V pace
Pulse width	0ns~500ns continuously adjustable,10ns pace
Emission damping	Strong(100Ω),weak(1000Ω)adjustable
Pulse frequency	Automatic or manual, automatic range(200Hz-1KHz), manual range(0-10KHz)
Probe channel	200 groups, supporting operations such as creating, previewing, deleting, renaming, overwriting, and restoring
Gate alarm	Gate A and B alarm, lost wave/incoming wave
Gate mode	Independent gate A, gate B
Measurement mode	Peak, Front edge, J Front edge
Quantitative mode	DAC curve, AVG(DGS)curve
Flaw detection standards	AWS D1.1/D1.5, NB/T 47013, GB/T 29712, GB/T 11345
Saving content	Single frame, multi-frame recording (≤ 500 frames), screenshot, B-scan screenshot
Auxiliary functions	Professional B-scan, automatic gain, peak memory, waveform freezing, channel management, gate alarm, gate expansion, automatic gate, full screen touch, virtual keyboard, color half span, quick screenshot, flaw reports, channel import/export
Display screen	High definition 5.0 inch 800×480 IPS_LCD
Probe interface	Dual LEMO-00 C5
Output interface	Type-C1, MINI USB
Input interface	Type-C2(B scan trolley)
B-scan imaging	Supports up to 700 sets of A-scan synthesis, with the highest resolution φ 2mm
Data storage	16GB SD card
Charger	65W_PD fast charging ,standard Type-C interface(100~240V, 50~60Hz)
Size	183mm×113mm×45mm
Weight	700g, including battery but not rubber sleeve
Language	Chinese, English, Russian
Unit	Metric system, imperial sytem
Battery	7.4V 8000mAh Lithium battery, 12 hours of battery life
Operation temperature	-10°C~55°C
Relative humidity	(20~95)%RH
Resolution ratio	30dB(Metrological performance requirements: ≥26dB)
Dynamic range	35dB(Metrological performance requirements: ≥26dB)
Sensitivity margin	55dB(Metrological performance requirements: ≥42dB)
Vertical linearity	1.20%(Metrological performance requirements: ≤6%)
Horizontal linearity	0.15%(Metrological performance requirements: ≤2%)

STANDARD DELIVERY

Main unit	1 pc
Probe (high precision straight probe, angle probe)	2 pcs
Probe line	2 pcs
Charger	1 pc
Power line	1 pc
User manual	1 copy
Certificate	1 copy
Warranty card	1 copy
SD card(8G)	1 pc



SD card
(16G, 32G, 64G)



Probe (high-precision
straight probe, angle probe)



Probe line



Power line



B-scan trolley

OPTIONAL DELIVERY

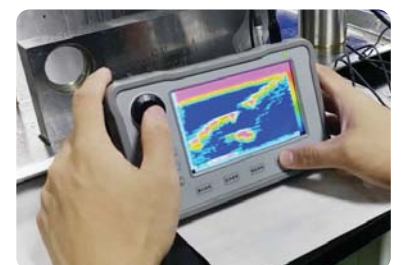
SD card(16G, 32G, 64G)	
B-scan trolley	
Power bank	



DAC Curve



AVG Curve



B-scan Image



Gate Setting