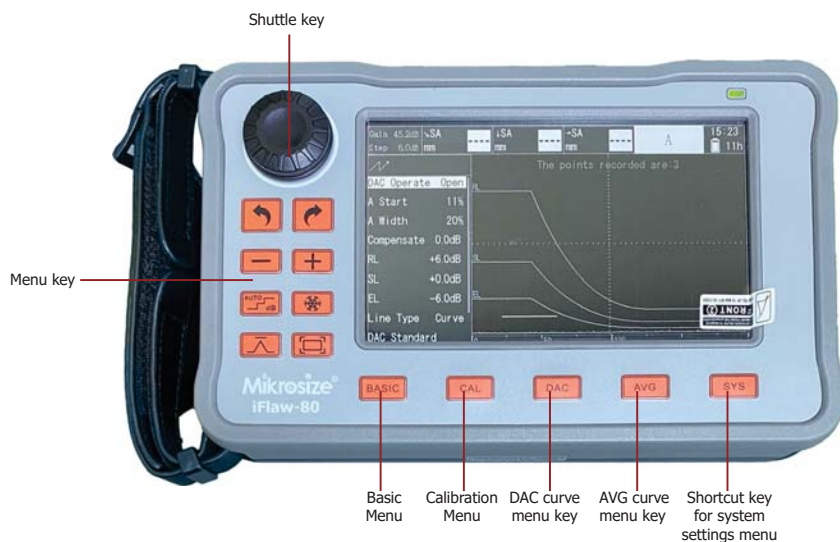
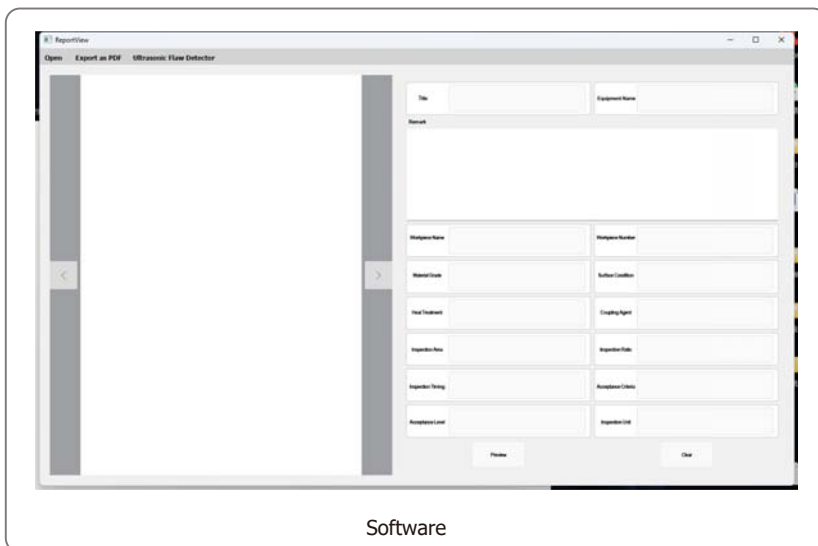


## ULTRASONIC FLAW DETECTOR CODE:iFlaw-80



- 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-80

### TECHNICAL SPECIFICATION

<b>Bandwidth</b>	0.1MHz~20MHz
<b>Gain</b>	120dB,pace 0.1dB,0.6dB,1dB,2dB,6dB
<b>Wave filter</b>	Broadband,1M,1.25M,2.5M,5M,10M,15M,1M-5M
<b>Sampling rate</b>	Hardware sampling rate 100MSPS,equivalent sampling rate 400MSPS
<b>Detection mode</b>	Full wave, positive half wave, negative half wave, RF, envelope
<b>Detection range</b>	20 meters (longitudinal wave carbon steel),pace 100mm, 10mm, 0.1mm
<b>Sound velocity</b>	250~16000m/s
<b>Pulse mode</b>	Sharp pulse, square wave, dual-square wave
<b>Pulse voltage</b>	25V~300V , 25V pace
<b>Pulse width</b>	0ns~500ns continuously adjustable,5ns pace
<b>Emission damping</b>	Strong, weak adjustable
<b>Pulse frequency</b>	Automatic or manual, automatic range(200Hz-1KHz),manual range(0-10KHz)
<b>Probe channel</b>	200 groups, supporting operations such as creating, previewing, deleting, renaming, overwriting, and restoring
<b>Gate alarm</b>	Gate A and B alarm, lost wave/incoming wave
<b>Gate mode</b>	Independent gate A, gate B
<b>Measurement mode</b>	Peak, Front edge, J Front edge
<b>Quantitative mode</b>	DAC curve ,AVG(DGS) curve
<b>Flaw detection standards</b>	AWS D1.1/D1.5,NB/T 47013,GB/T 29712,GB/T 11345
<b>Saving content</b>	Single frame, multi-frame recording (≤ 500 frames), screenshot,flaw detection report
<b>Auxiliary functions</b>	Automatic gain, peak memory, waveform freezing, channel management, gate alarm, gate expansion, automatic gate, full screen touch, virtual keyboard, color half span, quick screenshot, channel import/export
<b>Display screen</b>	5.0 inch 800×480 IPS LCD
<b>Probe interface</b>	Dual LEMO-00 C5
<b>Output interface</b>	Type-C1,MINI USB
<b>Charger</b>	30W_PD fast charging ,standard Type-C interface(100~240V,50~60Hz)
<b>Size</b>	183mm×113mm×45mm
<b>Weight</b>	700g,including battery but not rubber sleeve
<b>Language</b>	Chinese, English, Russian
<b>Unit</b>	Metric system ,Imperial system
<b>Battery</b>	7.4V 8000mAh Lithium battery, 12 hours of battery life
<b>Resolution ratio</b>	30dB(Metrological performance requirements: ≥26dB)
<b>Dynamic range</b>	35dB(Metrological performance requirements: ≥26dB)
<b>Sensitivity margin</b>	55dB(Metrological performance requirements: ≥42dB)
<b>Vertical linearity</b>	1.2%(Metrological performance requirements: ≤6%)
<b>Horizontal linearity</b>	0.15%(Metrological performance requirements: ≤2%)



DAC Curve



AVG Curve



Data Storage



Gate Setting

### STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>Probe (high-precision straight probe, angle probe)</b>	2 pcs
<b>Probe line</b>	2 pcs
<b>Charger</b>	1 pc
<b>Power line</b>	1 pc
<b>User manual</b>	1 copy
<b>Certificate</b>	1 copy
<b>Warranty card</b>	1 copy
<b>SD card(8G)</b>	1 pc
<b>Conversion plug (USB to C)</b>	1 pc



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



Probe (high-precision  
straight probe, angle probe)



Probe line



Power line



Conversion plug (USB to C)

### OPTIONAL DELIVERY

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

Power bank