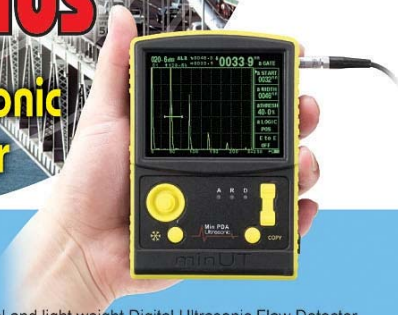




# min PDA Plus

## Digital Ultrasonic Flow Detector



### INTRODUCTION

- Min PDA Plus hand held jog control and light weight Digital Ultrasonic Flow Detector offers you all the features of larger, heavier instruments, such as high resolution with the usual high gain reserve.
- In addition to this, the instruments ease work by the inclusion of extras. For example in weld testing the exact flaw location is evaluated; all features are available for demanding thickness measurements.
- User-friendly programs for display evaluation with 3 or 4 Distance Amplitude Curves (DAC), +6dB DAC and for AVG evaluation are available as standard.
- T-Scan thickness display
- Welding simulation map for welding section display defect location for report printing
- The light weight 0.43 kg, including batteries!
- 5-way Jog stick setting control, easy to set and operate.
- The ergonomic design and operational ease will amaze you.
- Color TFT display. A bright, 500 cd/m<sup>2</sup> high contrast screen enables you to read your measurements data even under poor lighting conditions. The A-Scan, the instrument settings and the digital measurement readings are all displayed simultaneously.
- The instruments can withstand the toughest conditions.
- After testing, you will certainly wish to use the many documentation possibilities to record all calibration parameters and test results. It can storage 500 data inside.



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# Min-PDA Plus Digital Ultrasonic Flaw Detector

## INSTRUMENTS MEET YOUR NEEDS

- The high refresh rate (60Hz) of the bright and high-contrast TFT screen is reminiscent of the successful analog tubes.
- You can read your measurement readings quickly and clearly. If a measurement is made when you are at some distance from your instrument, simply display the reading in large digits.
- The pulse repetition frequency can be reduced. By doing this, phantom echoes can be reliably avoided which could occur when testing larger test objects.
- The instrument can store data sets, including all instrument parameters, test results and A-Scans and can be recalled at any time.
- You soon feel at ease, because you operate them in accordance with your proven standards for digital instruments.



## FEATURES

- High resolution TFT color LCD display
- Welding simulation map display
- DAC curve with DAC alarm
- Positive, negative, and minimum depth alarms
- Filled waveform trace display
- Freeze and Peak memory mode
- Separately Gate A and Gate B setting with alarm
- Echo-Echo for through coating thickness measurement
- Peak or Flank measurement
- AWS Function
- DGS Function
- Time-B-scan Display
- Single or two Point probe auto zero calibration
- Pulse repetition frequency control
- Displays sound path value, surface distance and depth to flaw in angle beam inspections
- Data print through USB port





### SPECIFICATIONS

Calibration range:	From 25 to 6000 mm (steel long).
Sound velocity:	2 fixed values(3230m/s,5920m/s) and adjustable in the range 1000 to 9999m/s in steps of 1m/s.
Probe delay:	0 to 365 $\mu$ s
Gain:	100dB, adjustable in steps of 1/2/6/12/20 dB
Frequency range:	0.5-10 MHz wide band
Pulse repetition frequency:	10-1000Hz, depending on the set calibration range and the probe delay for adjustable
Test methods:	Pulse echo mode and Thru mode
Pulse Voltage:	300 V negative spike
Damping:	100 $\Omega$
Echo presentation:	Full wave
Suppression:	Linear, 0 to 90% screen height adjustable in steps of 1%, status indication on the display
DAC:	Recording of up to 6 reference echoes, 40dB dynamic range, display of the DAC curve 3 or 4 DAC curve can be setting
Data storage:	500 A-scan Trace Data sets in the FLASH memory, with additional alphanumeric identification and directory function.
Units of measure:	mm or inch
Direct documentation:	Hardcopy (contents of display), active measurement reading, test report or thickness report, via the USB interface to computer.
Interface:	USB cable for PC computer.
Probe connector:	Two LEMO 00 connectors
Power supply:	Removable 7200mAh/3.7 V Li-ion Battery or mains supply via an external mains power/charger unit JBD15-A2S
Operational period:	Up to 8 hours with Battery ( select LCD low bright )
Battery charge indication:	On the display
Operating temperature:	-5° C to +55° C
Storage temperature:	-40° C to +65° C (without batteries)
Display size:	Screen: 54mm×71mm (W×H)
Dimensions:	123mm×85 mm×25mm (H×W×T)
Weight:	0.43 Kg with battery pack

- \* Hard Carry case
- \* Batteries (inside)
- \* AC mains adapter/battery charger
- \* USB Data transfer cable
- \* Operating manual (English)
- \* Software for documentation and data filing
- \* Ultrasonic cables and probes



**- We offer you nice instrument with service support -**



Ultrasonic Digital Flaw Detector



Ultrasonic Thickness Gauge

Ultrasonic Transducer

Ultrasonic Probe Connector

Ultrasonic Cable

Ultrasonic Connector

Ultrasonic Probe Housing

Ultrasonic Probe Crystal

Ultrasonic Test Block

High Intensity Film Viewer

Welding Gauge

Surface Crack Detector

Corrosion Pit Gauge

Magnetic Yoke and Accessories

Fiber and Video Image Scope

Radiation Dose Alarm

HID High Intensity Black Light

ASTM/EN Wire Penetrant

Impact Hardness Gauge

Instrument Connector

Instrument Case

Instrument Carrying Case

