

# Your Partner For Success

Tru-Sonics Digital Ultrasonic Flaw 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.

## SPECIFICATIONS

-Calibration range: From 25 to 6000 mm (steel long).

-Sound velocity: 2 fixed values (3240m/s, 5920m/s) and adjustable in the range 1000 to 9999m/s in steps of 1m/s.

-Probe delay: 0 to 365

-Gain: 100dB, adjustable in steps of 1/2/6/12, also can set up the step gain you need.

-Frequency range: 0.5-10 MHz wide band

## MEASUREMENT FEATURES

- High resolution TFT display
- Large thickness display
- DAC curve
- Optional Distance Varied Gain
- Positive, negative, and minimum depth alarms
- Filled waveform trace display
- Freeze mode
- Peak memory mode
- Separately Gate A and Gate B setting
- Echo-Echo measurement
- Peak or flank measurement
- RF display
- Time-B-scan
- Encoder B-scan
- Pulse Repetition frequency Control
- Standard Dual Gate with alarm
- Superior minimum Thickness Range
- Fast 60Hz display update rate
- Displays sound path leg and its value, surface distance and depth to flaw for angle beam inspections
- Large Thickness display**
- Spare Battery can on-Side charge direct through AC/DC charger**



- 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
- Damping: 100 and 200 ohm
- Echo presentation: Full wave, RF
- Suppression: Linear, 0 to 90% screen height adjustable in steps of 1%, status indication on the display
- DAC: Recording of up to 8 reference echoes, 40dB dynamic range,
- Display of the DAC curve 3 or 4 DAC curve can be setting
- Data storage: 1000 set. 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
- RS-232 interface to computer.
- Interface: RS-232 C (bidirectional) or USB for PC computer.
- Analog output: Proportional voltage for amplitude and sound path of the echo in the gate; TTL signal for gate alarm
- Probe connector: Two LEMO1 equivalent compatible connectors
- Power supply: Removable 8800mAh/7.2V Li-ion Battery or mains supply via an external mains power/charger unit JBD15-A2S
- Operational period: 6-8 hours with Battery (select LCD low bright)
- Battery charge indication: On the display
- Display size: Screen: 112mmx98mm (LxW)
- Dimensions: 238mmx158mmx52mm (LxWxD)
- Weight: 1.75Kg for Tru-Sonic

Please call/email for a quote



P: 03 5633 3333

F: 03 5633 3334

E: [jduenzl@austndt.com.au](mailto:jduenzl@austndt.com.au)

W: [www.austndtsales.com.au](http://www.austndtsales.com.au)