

## for very thin material with resolution 0.001mm

### A scan & B scan



- 320×240 TFT color screen
- Measure mode: (P-E) and (E-E)
- A scan and B scan
- Auto probe zero calibration
- Auto probe identify
- Measuring range: P-E 1.60-20.00mm E-E 0.200-10.00mm
- Option in Range, Gain, Delay, Gate Blank and E-Blank setting
- Standard 15.0MHz transducer included, optional transducers
- Display resolution 0.001mm/ 0.0001in
- Memory of 10,000 readings in 100 files
- USB output, easily works with any Windows operating system 32bit and 64 bit.
- Multiple languages support
- 2 year warranty

## Physical

**Operating Temperature:**

-10°C to 50°C (-14°F to 662°F)

**Keyboard:**

Membrane switch with 8 tactile keys

**Case:** ABS plastic

**Data Output:**

USB port; Data output directly without any driver.

**Display:** 320×240 TFT color LCD display

**Weight:** 260g

**Size:** 133L×75W×29H mm

(5.2L×3.0W×1.1H inch)

## Ultrasonic Specifications

**Measurement Modes:**

Pulse-Echo

Echo-Echo

**Receiver:**

Manual or Auto gain control with 50dB.

## Display

**A-Scan:** Real-time waveform view.

**Large Digits:** Standard thickness view.

**B-Scan:** Time based cross section view of test material.

## Power Source

Two 1.5V AA alkaline batteries, typically operates for 24 hours.

## Measuring

**Pulse-Echo Mode:**

Measures from 1.600 to 20.00mm

**Echo-Echo Mode:**

Measure from 0.200-10.00mm.

**Resolution:** 0.001mm (0.0001 inches)

**Velocity Range:**

1000 to 9999 meters/sec

.492 to .3936 inches/ms

**Units:** Metric & Imperial.

## Transducer

**Transducer Types:**

Single Element with cable length 1.25m.

Custom transducers and cable lengths are available for special applications.

## Memory

**Data Structure:**

File number +location number

**Memory:**

10,000 readings in 100 files.

## Features

**Range, Gain, Delay, Gate, Blank and E-Blank:**

Adjustable

**Standard Mode:** For general purpose.

**Minimum Mode:** Only the minimum value is shown during testing.

**Difference Mode:** The accurate differential value between measured value and reference value is shown.

**Average Mode:** The average value of 2-9 testing points is displayed.

**Limit Mode:**

Set Hi and Lo tolerances. There are audible buzzer and visual on LCD display if test result is out of limit.

## Certification

Factory calibration traceable to ASTM E0797-05.

## Warranty

2 years and repair for whole life