



UT Thickness Gauge DC-4000

A scan & B scan



- 320×240 TFT color screen
- Measure mode: (P-E) pulse-echo and (E-E) thru-paint
- A scan and B scan
- Auto probe zero calibration
- Auto probe indentify
- Measuring range: P-E 0.65-400.0mm E-E 3.00-25.0mm
- Option in Range, Gain, Delay, Gate Blank and E-Blank setting
- Standard 5.0MHz transducer included, optional transducers
- Display resolution 0.01mm/ 0.001in
- 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 (Thru-paint)

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 0.65 to 400.0mm (0.025 to 15.748 inches)

Echo-Echo Mode: (Thru Paint & Coatings)

Measure from 3.00-25.0mm (0.118 to 1.000 inch). Range varies +/- depending on the

thickness of coating.

Resolution: +/-0.01mm (0.001 inches)

Velocity Range:

1000 to 9999 meters/sec

.492 to .3936 inches/ms

Units: Metric & Imperial.

Transducer

Transducer Types:

Dual Element (2 to 10 MHz) 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.

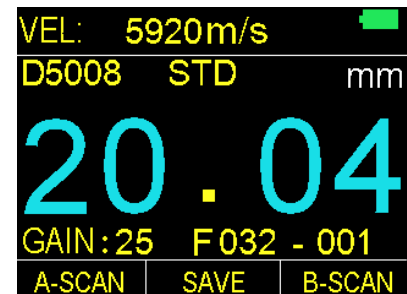
Certification

Factory calibration traceable to

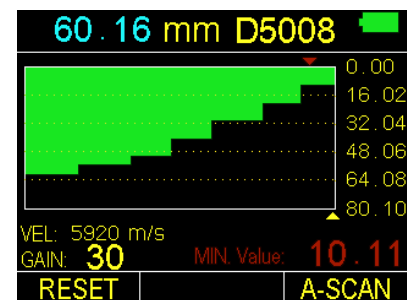
ASTM E0797-05.

Warranty

2 years and repair for whole life



Big Digit View



B-Scan View

Manufactured by



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