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# DC-4000 Ultrasonic Thickness Gauge

With 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: T-E 0.65-400.0mm E-E 3.00-25.0mm
- Option in Gain, Gate and Blank setting
- Standard 5.0MHz transducer included, optional transducers
- Display resolution 0.01mm/ 0.001in
- Memory of 10000 readings in 100 files
- USB output, easily works with A any Windows operating system both 64 and 32 bits.
- 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 display

**Weight:** 260g

**Size:** 133L × 75W × 29H mm  
(5.2L × 3.0W × 1.1H inch)

## Ultrasonic Specifications

### Measurement Modes:

Transmit-Echo

Echo-Echo (Thru-paint)

### Receiver:

Manual or Auto gain control with 50dB range, depending on mode selected.

## Display

### Display Views:

**Large Digits:** Standard thickness view

### B-Scan:

Scan Bar: Thickness 10 readings per second; Viewable in B-Scan and large Digit Views.

## Power Source

Two 1.5V AA alkaline. Typically operates for 24 hours.

## Measuring

### Transmit-Echo Mode:

Measures from 0.65 to 400.0mm (0.025 to 15.748 inches)

**Echo-Echo Mode:** (Thru Paint & Coatings)

Measures from 3.00-25.0mm

(0.118 to 1.000 inch). Range will vary +/- 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 & English

## 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:

English letter +Alpha numeric

### Cell Contents:

10,000 readings,

**Memory:** build-in TIF card

## Features

### Gain, Gate and 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.

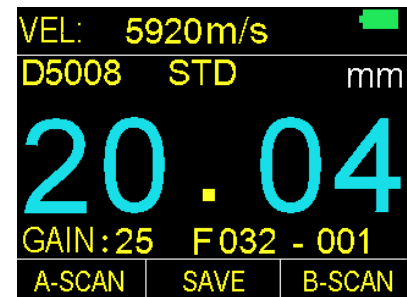
**Average Mode:** The average value of 2-9 testing points is displayed.

### Limit Mode:

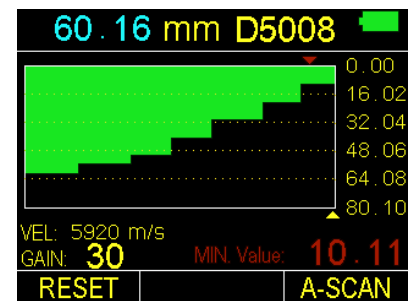
Set Hi and Lo tolerances with audible beeper and visual LEDs.

## Warranty

2 years



## Big Digit View



## B-Scan View

## Standard delivery:

DC-4000 main unit  
D5301 transducer with cable  
Calibration certificate  
Software and USB cable  
Coupling gel  
2 AA batteries  
Instruction manual  
Carrying case