

UFM-8 | Ultrasonic Thickness Gauge | Data Sheet

The UFM-8 is an ultrasonic thickness gauge with live time A-Scan and time based B-scan display for flaw detection.

All data is presented clearly thanks to the high resolution 2.4" Color OLED display.

The UFM-8 also features Echo-Echo mode for thru paint/coating measurement. In this mode a paint layer or coating can be ignored and the substrate metal measured accurately. It can be used for measuring both metal and non-metallic materials including Plastic, Steel, PVC and Glass Plates and Pipes.

It has a large capacity data logger and extensive DataView software making it suitable for use in industrial fields such as manufacturing and metal processing, etc.



Features

- Color OLED 320x240 pixels display
- Live simultaneous color A-scan and thickness display
- Control of Gain, Blanking, Gate, Range, Delay, RF and Rectify modes
- Time-based B-scan display
- Echo-Echo mode (through paint & coatings)
- Stores 100,000 readings and 1000 waveform

Technical specifications

Display type :

2.4" color OLED, 320 X 240 pixels, contrast 10,000:1 probes

Operating principle : Pulse echo with dual element transducers

Measuring range :

0.50mm to 508mm(0.02" to 20.00"), depending on material, probe and surface condition

Measuring resolution : Selectable 0.01mm, 0.1mm(selectable 0.001", 0.01")

Units : Inch or millimeter

Rectify modes : RF+, RF-, HALF+, HALF-, FULL

Display mode : Normal, minimum / maximum capture, DIFF/RR%, A-Scan, B-Scan

V-Path correction : Automatic

Update rate : Selectable 4Hz, 8Hz, 16Hz

Material velocity range : 500 to 9999m/s (0.0197 to 0.3937in/us)

Languages: English

Alarm settings :

Minimum and maximum alarms. Range of 0.25 mm to 508 mm (0.010" to 20.00"). Dynamic waveform color change on alarm

Power requirements : 2 AA size batteries

Operating time : Approximately 40 hours

Instrument shut-off : Selectable ALWAYS ON or AUTO OFF after 5, 10, 20 minutes of inactivity

Operating temperature : -10°C to +50°C (+10°F to +120°F)

Size : 153mm X 76mm X 37mm(H X W X D)

Weight : 280g (incl. batteries)