

# THE MX-5DL THICKNESS GAUGE

The rugged MX-5DL thickness gauge has been designed and built to satisfy the roughest industry conditions. The variety of features offered allows the user to select a quality tool that will meet or exceed their specific application needs. 2 year limited warranty indicates reliability and durability.

## SPECIFICATIONS

### Physical

**Weight:**  
10 ounces (with batteries)

**Size:**  
2.5Wx4.5Hx1.24Dinches  
(63.5Wx114.3Hx31.5Dm.)

**Operating Temperature:**  
-0 to +120 F (-18 to 48 C).

**Case:**  
Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).

### Keypad

- Sealed membrane that is resistant to both water and petroleum products.
- Six or nine tactile-feedback keys.

### Power Source

- Two size AA 1.5V alkaline (standard) or 1.2V NiCad cells.
- Typically operates for 200 hours on alkaline and 130 hours on NiCad.
- Display flashes when battery is low. Unit turns off automatically when battery is too low to operate reliably.

### Display

- Multi-function 4.5 digit liquid crystal display with 0.500 inch numerals, backlit for use in poor light conditions.
- Backlight is selectable on/off/auto (illuminates only when taking a measurement).
- Measurements displayed in inches, inches/microsecond, millimeters, and meters/second.
- Bar graph indicates stability of reading

### Transducer

- Dual-element (transmit and receive).
- 1 to 10 MHz frequency range. Locking quick disconnect LEMO connectors.
- 4 foot cable.
- Custom transducers available for special applications

### Measuring Range:

- Measures from 0.025 to 19.999 inches (0.63 to 500 millimeters) depending on transducer used and conditions
- Switch to select English or Metric units.

**Resolution:**  
0.001 inch (0.01 millimeter)

### Velocity Range:

- 0.0492 to .3937 in./vs. (1250 to 10,000 meters/second)
- Four readings per second for single point measurements or 16 per second in Scan Mode captures the minimum thickness.
- Single and two point calibration option included.

### Features

**High Speed Scanning Mode:**  
Capture minimum thickness during strip scan.

**Differential Mode:**  
Enter acceptable thickness value, unit will display +/- the difference from the value entered.

**Alarm Mode:**  
Enter a minimum acceptable thickness value. If measurement falls below minimum, red LED will illuminate and sound beeper. If measurement is above minimum value, green LED will illuminate.



**Data Output:**  
RS232 output sends data to a serial printer, a computer or other external storage device.

### Data Logger

Automatic numeric Data Logging system for up to 1000 readings.

"OBST" displayed indicates no reading

### Certification

Factory calibration traceable to national standards.

2 year limited Warranty.

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