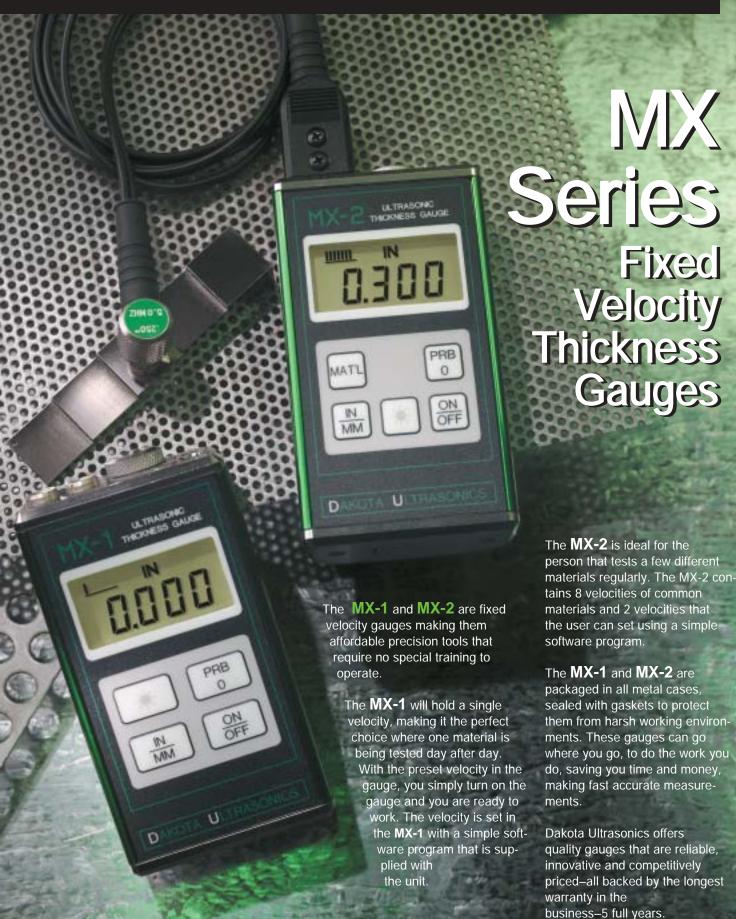
DAKOTA ULTRASONICS



THE MX SERIES THICKNESS GAUGES

DAKOTA ULTRASONICS' rugged thickness gauge family has been designed and built to satisfy the roughest industry conditions. The features offered in the **MX Series** allow the user to select a quality tool that will meet or exceed their specific application needs. Our 5 year limited warranty indicates how we feel about the reliability and durability of the **MX Series**.

Physical

Weight:

10 ounces (with batteries).

Size:

2.5 W x 4.5 H x 1.24 D inches (63.5 W x 114.3 H x 31.5 D mm).

Operating Temperature:

-20Þ to 120ÞF (-30Þ to 50ÞC).

Case:

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

Keypad

Sealed membrane that is resistant to both water and petroleum products.

Four or five tactile-feedback keys.

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.

Power Source

Two 1.5V alkaline or 1.2V NiCad AA 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.

Software

Comes complete with cable and software to transfer the velocity to the gauge.

Certification

Factory calibration traceable to national standards.

Warranty (all MX units)

5 year limited.

Measuring

Range:

Measures from 0.025 to 19.999 inches (0.63 to 500 millimeters).

Switch to select English or Metric units.

Resolution:

0.001 inch (0.01 millimeter)

Velocity Range:

0.0492 to .3937 in./µs. (1250 to 10,000 meters/second)

Four readings per second for single point measurements.

Velocity Settings:

The MX-1 has 1 custom velocity setting.

The MX-2 has 8 set velocities and 2 that are custom to the user's application. The set velocities are as follows:

Steel 4340 .233
Stainless Steel 303 .223
Aluminum 2024 .251
Cast Iron .179
Plexiglass .106
PVC .094
Polystyrene .092

.070

9. Custom

8. Polyurethane

10. Custom



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