

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**.

SPECIFICATIONS

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:**
-20° to 120°F (-30° to 50°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.
- 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./ μ s.
(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:
- | | |
|------------------------|------|
| 1. Steel 4340 | .233 |
| 2. Stainless Steel 303 | .223 |
| 3. Aluminum 2024 | .251 |
| 4. Cast Iron | .179 |
| 5. Plexiglass | .106 |
| 6. PVC | .094 |
| 7. Polystyrene | .092 |
| 8. Polyurethane | .070 |
| 9. Custom | |
| 10. Custom | |

