

MX-2 Ultrasonic Thickness Gauge

The MX-2 is ideal for the person that tests a few different materials regularly. The MX-2 contains 8 velocities of common materials and two velocities that the user can set using a simple software program.

The tool's backlit display is easy to read, even in dim light, and the unit operates for up to 200 hours on a single set of batteries.

The MX-2 comes complete, ready to use, and is protected by Dakota Ultrasonics 5 year limited warranty.



Description: MX-2 Ultrasonic Thickness Gauge

Model Part # 119-Z-140-0001

Kit Includes: Gauge, transducer, couplant, manual, software, transfer cable, and carrying case

Applications:

Corrosion & Pitting Tube & Pipe Tanks, Boilers, Glass and a Variety of Applications

Specifications:

Physical

Physical Weight: 10 ounces

Size: 2.5 W x 4.75 H x 1.25 D inches
63.5 W x 120.7 H x 31.8 D mm

Operating Temperature: -20 to 120F (-20 to 50C)

Case: Extruded aluminum body / nickel plated aluminum end caps. Resistant to impact and environmentally sealed.

Keypad

Sealed membrane that is resistant to both water and petroleum products.
5 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

Multi-function 4.5 digit liquid crystal display with 0.500-inch numerals, backlit for use in poor light conditions. Measurements displayed in inches, inches/microsecond, millimeters, and meters/second.

Bar graph indicates stability or reading.

Software

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

Certification

Factory calibration traceable to national standards.

Warranty

5 year limited.

Measuring

Range: Measures from 0.025 to 19.999 inches (0.63 to 199.99 millimeters) switch to select English or metric units.

Resolution: 0.001 inch (0.01 millimeter)
Velocity Range: .0492 to .3937 in/m s
1250 to 10,000 meters/sec

Built-in: Stainless steel reference disk for probe zeroing.

Four readings per second for single point measurements.

Velocity Settings: The MX-2 has 8 set velocities and 2 that are custom to the user's applications. 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

Distributed in Canada by:
QPC Instruments Inc.