

ADVANCED NDT/ULTRASONIC TESTING TECHNOLOGIES

MX-1 / MX-2 Series Ultrasonic Thickness Gauge

[» Back to Ultrasonic Thickness Testing Main Page](#)

MX-1 Basic Ultrasonic Thickness Gauge

The MX-1 is our basic MX-Series model. This gauge can be pre-programmed for a specific material type using a simple PC program. The MX-1 is an excellent choice for users that measure the same material type all the time, and do not have the need to re-calibrate to different materials on the fly. Note: The material velocity must be known prior to programming.

MX-2 Ultrasonic Thickness Gauge

The MX-2 has 8 common preset material types and 2 user programmable types. This makes the MX-2 a little more flexible for those users that have a need to measure more than one material type. Our simple PC



program allows the user to program the MX-2 for two additional set material types. Note: The material velocity must be known prior to programming.

Ordering Guide

Model :	MX-1	MX-2
For current pricing and special offers please contact us	How to Order	How to Order

Standard Kit includes: Unit, Standard Transducer, Couplant, Manual, Plastic Carrying Case, 2 AA Batteries, software, transfer cable, 5 years limited warranty.

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Specifications:

The MX-1 will hold a single velocity, making it the perfect choice where one material is being tested day after day. With the preset velocity in the gauge, you simply turn on the gauge and you're ready to work.

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 on both MX-1 & MX-2 is easy to read, even in dim light, and the unit operates for up to 200 hours on a single set of batteries.

Both MX-1 and MX-2 thickness gauges come complete, ready to use, and are protected by 5 year limited warranty.

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

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.

Six tactile-feedback keys (MX-2), (5 keys on MX-1).

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:**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-1 has 1 custom velocity setting programmed via a PC.

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

For further information or to place an order for the MX-1 / MX-2 Series Ultrasonic Thickness Gauge **CLICK HERE**, call us Toll-Free at: **1.877.884.TEST**, or click on the "HOW TO ORDER" Button

[» Back to Ultrasonic Thickness Testing Main Page](#)

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[Site Map](#)