

DAKOTA ULTRASONICS

The
Standard
Has Been
Set!

The MX Series from DAKOTA ULTRASONICS

PACKAGING All Metal Case.

The units are sealed with gaskets to protect them from harsh working environments.

SIZE 2.5"W x 4.5"H x 1.2"D. The units are small and portable and will operate on 2 AA batteries for 80 hours. Very compact and convenient to transport to any job.

FEATURES The MX Series offers the features you have requested; Differential Mode, High Speed Scan Mode, Alarm Mode and On-Board Data Logging.

WARRANTY All gauges are covered by a 5 year limited warranty.

SUPPORT Dakota excels in in this area. Our Engineering and technical staff, combined with a knowledgeable and friendly sales staff, are always here to help out.

AS YOU CAN SEE, the standard has been set with the MX SERIES. Please give us a call to discuss your applications.



SOUND SOLUTIONS

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**.

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 120F (-30 to 50C).

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.

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
80 hours on alkaline and
20 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).

Bar graph indicates stability
of reading.

Software

Comes complete with cable and
PC software (MX-5 DL only).

Memory

Numeric data storage, 10 files of
100 readings per file, for 1000 read-
ings (MX-5 DL only).

Certification

Factory calibration traceable to NIST
& MIL-STD-45662A.

Warranty

5 year limited.

Measuring

Range:

Measures from 0.025 to 19.999
inches (0.63 to 500 millimeters).
Range dependent on material
and transducer type.

Units:

English & Metric

Resolution:

0.001 inches (0.01 millimeters)

Velocity Range:

0.0492 to .5511 in/ μ s.
(1250 to 14,000 m/sec)

Four readings per second for
single point measurements, or
16 per second in **Scan Mode** -
captures the minimum thickness.

Features (MX-5, MX-5-DL)

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 serial interface. PC software
& USB converter cable included.



MADE IN THE USA

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