

# MMX-6 Material Thickness Gauge

**Professional**

## Description

The MMX-6 is a Multi-Mode ultrasonic material thickness gauge that has the ability to field calibrate to a variety of materials instantly for material thickness measurement with multimode for measuring through painted or coated surfaces and eliminate the thickness of the paint using a dual element style transducer in echo-echo mode. No need to remove or allow for errors due to paints & coatings. The MMX-6 can also effectively find pits and flaws with the press of a single button.

## Features

- Two-Point Calibration option.
- Provides an audible and visual alarm mode.
- In alarm mode, the user can set a nominal thickness value. When measurements fall above or below the set nominal value, a red Light and audible beeper is displayed and sounded.
- Standard measurement mode for 4 readings per second.
- High speed scan mode for 16 readings per second.
- Captures the minimum thickness.
- Readings are viewable on real time basis while scanning.
- Bar graph in LCD display indicates stability of reading.
- Backlit display.
- Probe zero function.

## Specification

<b>Measurement Range Specification:</b>	
Measuring Mode (Pulse-Echo Mode)	0.63 to 500mm. *
(Echo-Echo Mode)	2.54 to 25.4mm.*
Resolution	0.01 mm
Velocity Range	1250 to 10,000 meters/sec
<b>Transducer</b>	
Dual element (transmit and receive).1 to 10 MHz frequency range.	
Locking quick disconnect Lemo connectors. 4 foot cable.	
<b>Data Output</b>	
RS232 output sends thickness readings to a computer or other external storage device.	
<b>Certification</b>	
Factory calibration traceable to national standards.	
<b>Display</b>	
4.5 digit LCD with 0.5dpts numerals, backlight, selectable on/off/auto, Measure in inches, inches/microsecond,mm & m/s.	
<b>Case</b>	Extruded aluminum body / nickel plated aluminum end caps Resistant to impact and environmentally sealed.
<b>Keypad</b>	
Sealed membrane that is resistant to both water and petroleum products. 9 tactile-feedback keys.	
<b>Power Source</b>	
Two 1.5V alkaline or 1.2V NiCad AA cells. Typically operates for 200 hours on alkaline and 130 hours on NiCad.	
<b>Operating Temperature</b>	-30° to +50°C
<b>Size</b>	63.5 x 114.3 x 31.5mm
<b>Weight</b>	283.5g

\* Depending on Transducer

\* Custom transducers available for special applications. Refer Transducer Table(TT1).

**Item Code :** ST-MMX6

**Product Supply Includes :** MM6Unit, Couplant, Manufactures Calibration Certificate, Batteries & 1/4" 5MHz Transducer Hi Damped (T-102-2700) & Hard Carry Case.



## Measures

Material Thickness	Thickness through coating
--------------------	---------------------------

## Salient Features

PE Mode Detect pits & flaws	EEMode Eliminate paint & coating thickness	Scan mode: 16 readings per sec
Two point calibration mode	Bar graph indicates stability of reading	Alarm Mode
Data Output RS232	Probe Zero Function	Packed in all metal case