

VX Velocity Gauge

The **VX** is a hand-held ultrasonic velocity gauge. When measuring materials such as casts, alloys, or plastics, the **VX** displays the speed of sound (velocity) through the material; thus giving an indication of its consistency.

The **VX** gauge has 2 measuring modes: The Point-to-Point mode, which is simply placing the probe to the material and the gauge will display the velocity at that point. The Scan mode allows the operator to place the probe on the material and then move the probe along the surface; when the probe is lifted from the material, it will then display the fastest velocity the gauge found on the area covered.

The **VX** is packaged in an all metal case, sealed with gaskets to protect them from harsh working environments. This gauge can go where you go, to do the work you do, saving you time and money, making fast accurate measurements.

Dakota Ultrasonics offers quality gauges that are reliable, innovative and competitively priced—all backed by the longest warranty in the business—5 full years.

Temperature:
-4°F to 122°F (-20°C to 50°C)

Case:
Extruded aluminum body with nickel-plated aluminum end caps (gasket sealed).

Data Output:
RS232 port out Windows® interface software.

Display:
Backlit LCD—3.5"W x 2.0"H

Modes:
Pulse-Echo (flaws, pits)
Echo-Echo (thru paint, precision delay line)

Pulser:
Tone-burst (push-pull).
Selectable 1, 2, or 4 pulses.
Selectable frequencies (MHz):
0.5, 1, 2.25, 5, Hi Freq.

Receiver:
Low noise pre-amplifier.
Adjustable gain control.

Timing:
160 MHz 10 ppm TCXO controlled digitizer.

Memory:
8 megabit non-volatile ram.

Mode—
.001 inches (0.01 millimeters)

High Resolution mode—
.0001 inches (0.001 mm)

Velocity Range:
.0500 to .3937 in/ms
1270 to 10,000 meters/sec

Selectable pulse repetition rate allows for high speed scanning or low power operation.

Single and Two point calibration capability.

Views:
Rectified (flaw view)
RF (full waveform view)
Digital thickness readout

Multi-function 6 digit graphic LCD, backlit for use in poor light conditions.

Measurements displayed in inches, inches/microsecond.
Millimeters and meters/second.

Bar graph indicates stability of reading.

Types:
Dual Element (1 to 10 MHz)
Single Element Contact (500 KHz to 10 MHz)
Single Element Delay Line (5 to 22 MHz)

Locking quick disconnect "00" LEMO connectors.

Standard 4 foot cable.

Custom transducers and lengths cables available for special applications.

Feature Lockout:
Password locks or enables some of the advanced features.
Locked: Use THOR as a digital thickness gauge. Unlocked: THOR is a fully functional A-Scan scope.



Distributed by:

MKCKOREA

#1206, KICOX Venture Center, 188-5
Guro-dong, Guro-gu, Seoul, Korea
TEL: 02.804.3600
FAX: 02.893.0498
WEB SITE: www.mkckorea.com
E-MAIL: ndt@mkckorea.com