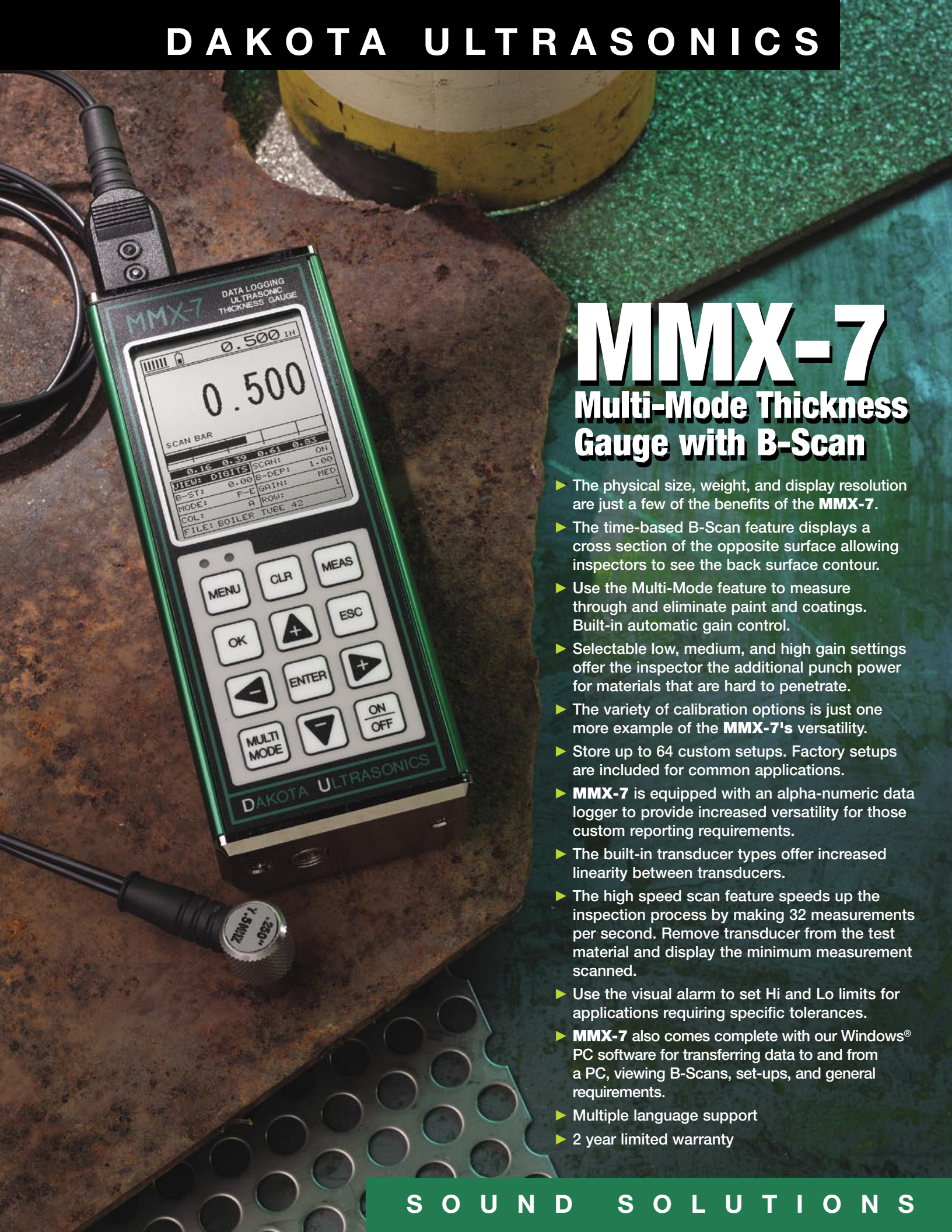
DAKOTA ULTRASONICS



MMX-7

Multi-Mode Thickness Gauge with B-Scan

- The physical size, weight, and display resolution are just a few of the benefits of the **MMX-7**.
- The time-based B-Scan feature displays a cross section of the opposite surface allowing inspectors to see the back surface contour.
- Use the Multi-Mode feature to measure through and eliminate paint and coatings. Built-in automatic gain control.
- Selectable low, medium, and high gain settings offer the inspector the additional punch power for materials that are hard to penetrate.
- The variety of calibration options is just one more example of the **MMX-7's** versatility.
- Store up to 64 custom setups. Factory setups are included for common applications.
- **MMX-7** is equipped with an alpha-numeric data logger to provide increased versatility for those custom reporting requirements.
- The built-in transducer types offer increased linearity between transducers.
- The high speed scan feature speeds up the inspection process by making 32 measurements per second. Remove transducer from the test material and display the minimum measurement scanned.
- Use the visual alarm to set Hi and Lo limits for applications requiring specific tolerances.
- **MMX-7** also comes complete with our Windows® PC software for transferring data to and from a PC, viewing B-Scans, set-ups, and general requirements.
- Multiple language support
- 2 year limited warranty

SOUND SOLUTIONS

MMX-7 SPECIFICATIONS

Physical

Size:
Width (2.5 in/63.5 mm)
Height (6.5 in/165 mm)
Depth (1.24 in/31.5mm)

Weight:
13.5 ounces (with batteries)

Keyboard:
Membrane switch with twelve tactile keys.

Operating Temperature:
-14˚ to 140˚F (-10˚ to 60˚C)

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

Data Output:
Bi-directional RS232 serial port; Windows® PC interface software.

Display:
1/8 inch VGA grayscale display (240 x 160 pixels); Viewable area 2.4 x 1.8 inch (62 x 45.7 mm)
EL backlit (on/off/auto invert)

Ultrasonic Specifications

Measurement Modes:
Pulse-Echo (flaws, pits)
Echo-Echo (thru-paint)

Pulser:
Square wave pulser

Receiver:
Selectable low, medium, or high gain in pulse-echo mode, or AGC gain control in echo-echo mode.

Timing:
20 MHz with ultra low power 8 bit digitizer.

Warranty

2 year limited

Certification

Factory calibration traceable to national standards.

Power Source

Three 1.5V alkaline or 1.2V NiCad AA cells.

Typically operates for 150 hours on alkaline and 100 hours on NiCad (charger not included).

Auto power off if idle 5 minutes.

Battery status icon.

Measuring

Range:

Pulse-Echo Mode:
(Pit & Flaw Detection) measures from 0.025 to 9.999 inches (0.63 to 254 mm).

Echo-Echo Mode: (Thru Paint & Coatings) measures from 0.050 to 4.0 inches (1.27 to 102 mm); Range will vary +/- depending on the thickness of coating.

Resolution: +/- .001 inches (0.01 mm)

Velocity Range:
.0492 to .3936 inches/ms
1250 to 9999 meters/sec

Single and Two point calibration option, or selection of basic material types.

Units: English & Metric

Display

Display Views:

Large Digits Standard thickness view; Digit Height: 0.400 inch (10mm).

B-Scan Cross sectional view; Display speed of 15 secs per screen.

Scan Bar Thickness 6 readings per second; Viewable in B-Scan and Large Digit views.

Repeatability Bar Graph Bar graph indicates stability of reading.

Data Logger (Internal)

12,000 readinigs and B-scans (alpha numeric storage).

Memory:
16 megabit non-volatile ram

Transducer

Transducer Types:
Dual Element (1 to 10 MHz).

Locking quick disconnect "00" LEMO connectors.

Standard 4 foot cable.

Custom transducers and cable lengths available for special applications.

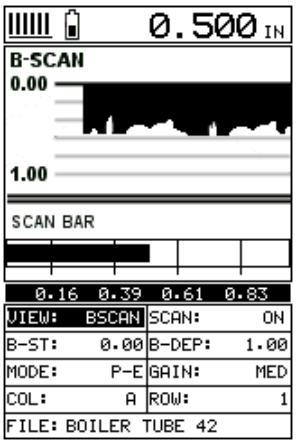
Features:

Setups:
64 custom user-definable setups; Factory setups available for common applications.

Selectable Transducers:
Selectable transducer types with built-in dual path error correction for improved linearity.

Alarm Mode:
Set Hi and Lo tolerances with audible beeper and visual LEDs.

Fast-Scan Mode:
Takes 32 readings per second and displays the minimum reading found when the transducer is removed; Display continuously updates while scanning.



A SONATEST PLC GROUP COMPANY

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