

QUICK GUIDE TO DAKOTA ULTRASONICS ZX SERIES ULTRASONIC THICKNESS GAUGES

				
ZX-1	ZX-2	ZX-3	ZX-5/ZX-5DL	ZX-6/ZX6DL

The updated **Dakota ZX** series gauges retain the basic ruggedness and ease of use of Dakota's popular MX series while adding many new features and an upgraded keypad and housing.

ZX-1 like the **MX-1** is designed for simplicity. The gauge is pre-calibrated for steel* which eliminates the need for a calibration block and careful calibration by a trained inspector. It is always calibrated and ready to use – just Probe Zero and measure. **The ZX-1 can be unlocked and reset to other material sound velocities if needed.*

ZX-2 replaces the **MX-2** and has 8 preset material sound velocities + 2 user programmable.

ZX-3 replaces the **MX-3** with fully adjustable sound velocity + 8 presets. Standard Probe Zero or Automatic Probe Zero re-adjusts the Zero Point as the instrument is used to compensate for changes in the temperature of the Probe. High Speed Scan mode allows better detection of small pitting.

ZX-5/ZX-5DL replaces the **MX-5/MX-5DL** has all the features of the **ZX-3** plus: Velocity/Nodularity mode, Differential Mode, Hi/Low Alarms.

ZX-6/6DL replaces the **MMX-6/MMX6DL** and **ER** versions. The **ZX-6** has all the **ZX-5** features plus Echo-Echo Through-Coating capability with Time Dependent Gain (TDG). TDG is used in both Pulse-Echo (P-E) and Echo-Echo (E-E) modes depending on transducer and frequency selected. TDG electronically compensates for signal loss due to increased distance and the loss of signal strength due to attenuation.

Common Features of all ZX gauges:

Rugged, sealed (IP-65) metal housing, 150 Volt square wave pulser, Low temperature custom LCD (-22°F). 5-year warranty. Full range of probes available 1-10 MHz, 3/16" to 1/2". Includes factory calibration and certification to NIST and Mil-Std 45662A. 45-hour operation from 2 standard AA batteries. Low battery indicator, Backlight with on/off/auto and low/med/high settings. Bar graph display of signal stability.

NDT Supply.com

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Pulse Echo measuring range of 0.025 to 36" (0.63 to 1219mm) of steel (probe dependent).
200 Hz PRF with 10 Hz Display update rate.

Manual Probe Zero	ZX-1,2,3,5,6
Automatic Probe Zero	ZX-3,5,6
Adjustable Velocity	ZX-3,5,6
Fixed Velocity Setting – 1	ZX-1
Fixed Velocity Setting – 8 preset + 2 user programmable	ZX-2,3,5,6
Pulse Echo Mode	ZX-1,2,3,5,6
Adjustable Gain in 3 steps	ZX-5,6
Echo-Echo Through Coating Mode	ZX-6
Inch and mm	ZX-1,2,3,5,6
High Speed Scan Mode	ZX-3,5,6
TDG - Time Dependent Gain	ZX-6
Differential Mode	ZX-5,6
Alarm Mode	ZX-5,6
Nodularity Mode (Velocity)	ZX-5,6
AC Operation	ZX-5DL & ZX-6DL
Data: Sequential data storage, 40 files of 250 readings per file, for 10,000 readings	ZX-5DL & ZX-6DL
Software: Includes cable and PC Software	ZX-5DL & ZX-6DL