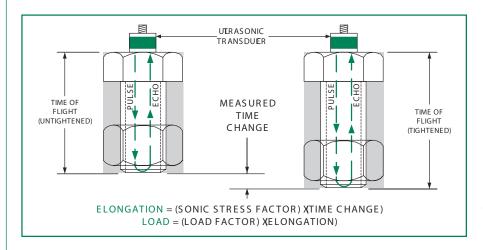


# Accuracy with Simplicity



TECHNOLOGY WITH A PURPOSE



The MAX can measure clamp load, or resulting fastener elongation, very accurately in fasteners of virtually any material from 1 inch to over 20 feet in length. The measurement is achieved by determining the change in the transit time of an ultrasonic shock wave along the length of the fastener as the fastener is tightened by any method. The on-board microcomput-

**er** automatically interprets this time measurement to display load, tensile stress, or elongation results in the fastener. Through use of **high speed digital signal processing** and automated diagnostics, the **MAX** minimizes the requirement for extensive operator training. With **built in data recordation**, reporting through RS232 and analog interface, **the MAX offers easy-to-use, reliable solutions for difficult bolting problems.** Visit our website for further information, **www.dakotaultrasonics.com**.

# SPECIFICATIONS

# **Physical Description**

## Size:

Width (8.5 in/ 216 mm) Height (6.5 in / 165 mm) Depth (2.0 in / 51 mm)

#### Weight:

2 lbs. 10 ounces (with batteries).

## Keyboard:

Membrane switch pad with tactile keys.

#### Case:

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

#### **Data Output:**

RS232 port out. Windows® interface software.

0 to 10 volt analog out.

## Display:

Backlit LCD-3.5"W x 2.0"H.

#### Waveform Display:

Verify signal analysis. Optimize transducer placement.

# **Ultrasonic Specs**

#### General:

Pulse echo and pitch catch measurement modes.

Selectable frequencies at 1.0, 2.25, 5.0, & 10.0MHz. Automatic peak and phase selection.

Displays readings in English/Metric units.

## Pulser:

Tone burst (push pull). Selectable 1, 2, or 4 pulses.

#### Receiver:

Low noise preamplifier. Automatic gain control.

#### Timina

160 MHz 10 ppm TCXO. Controlled digitizer.

#### Memory:

8 megabit non-volatile ram. Up to 4000 bolts, 20,000 load measurements.

## Power

## Line power:

100-240 ACV 47 to 63 Hz.

## Battery:

Four "C" size batteries.



# Warranty

2 full years.

**(**Eapproved





## MKCKOREA

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