CAN YOUR ULTRASONIC THICKNESS GAGE DO THIS?

- **Live A-scan for echo verification**
- **Vibrate Gage on minimum thickness alarm**
- **Echo to Echo to ignore coatings**
- **100,000 thickness datalogger (includes B-scan) with export to Microsoft Excel ™**
- **Field upgradeable options**
- **Multi-language support**

We didn't Think So.

With more than 75 years of world-wide experience in ultrasonic designs, Danatronics offers our complete line of portable, digital, hand-held ultrasonic thickness gages; the EHC-09DLW, EHC-09DL, EHC-09, EHC-09B and newest EHC-09A. The EHC-09 series of ultrasonic thickness gages are specifically designed to measure from one side only the remaining wall thickness of primarily steel structures subject to corrosion.

EHC-09A

The EHC-09A is our entry level ultrasonic thickness gage packaged in the same field proven IP54 rated case with rubber keypad as the rest of our EHC-09 Series. The standard probe can measure steel from .040-20" (1-508mm) while offering full field upgradeability to echo to echo to ignore coatings, 100K datalogger as well as A-Scan and B-Scan.

EHC-09B

The EHC-09B is our general purpose model ultrasonic thickness gage designed to make reliable, accurate thickness readings on mostly steel structures. The EHC-09B offers a simple user interface, can be used with all the transducers of the EHC-09 and Datalogger version and is easily upgraded in the field to the EHC-09, EHC-09DL and EHC-09DLW, no need to return the unit to the factory.

EHC-09

The EHC-09 is our mid-range model combining the most commonly used features such as Echo to Echo to ignore coatings. With the EHC-09 you can increase or decrease the gain, vibrate and illuminate the keypad on alarm conditions. We offer a simple, field upgradeable path to add the 100,000 thickness reading datalogger with B-scan and live waveform for echo verification.

EHC-09DL/EHC-09DLW

The EHC-09DL/EHC-09DLCW are the top of the line models offering all the same features of the EHC-09 plus our flexible datalogger, B-Scan and Echo to Echo. It also includes a custom molded pouch with belt clip and elastic strap to easily hold the unit in either the left or right hand.
The EHC-09DLW has live waveform.

See product differentiation chart for more details.

For more information, call us at
978-777-0081 or email
sales@danatronics.com
or visit www.danatronics.com
to arrange a demonstration.

Additional features:

- **Two point calibration**
- **Graphic display with multi language support**
- **Field upgradeable options (no need to take the unit out of the field)**
- **Made in USA**
- **2 year warranty**

SMALLEST THICKNESS GAGE WITH LIVE WAVEFORM!

DANATRONICS NDT Made Easy
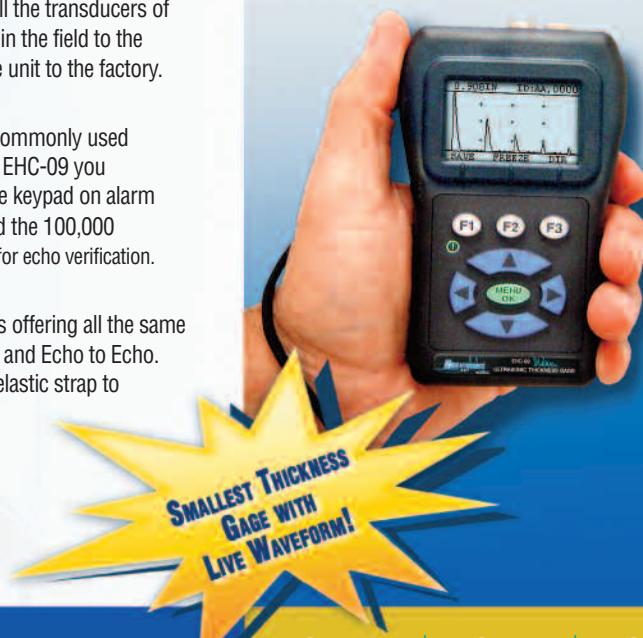
Size: 5" (127 mm) (**L**) x 3" (76.2 mm) (**W**) x 1.25" (31.75 mm) (**H**)

Weight: 8 OZ (.23 kg)

Thickness range: 0.020 - 20 inches (.50 mm - 508 mm) in steel, depending on material, temperature and transducer selection

Material Velocity Calibration Range: 0.0200 - 0.7362 in/µS (0.508 - 18.699 mm/µS).

Temperature: Gage Operating: -4° F to 122° F (-20° C to 50° C) High temperature transducers available for material temperatures from -5° F to 950° F (-20.5° C to 510° C)

Battery life: Up to 50 hours (20 hours with backlight on)

Battery type: 2 "AA" Alkaline

Display: 128 X 64 Graphics LCD monochrome, sunlight readable

Language support: multi language of English, French, Spanish, Italian, Czech, German, Portuguese, Slovak, Finnish, and Hungarian

Information displays: Loss of signal (LOS), min, max, large reading while displaying min at the same time, velocity, zero, calibration, units, freeze, unfreeze, % battery life remaining, gain - low, std, high, echo to echo symbol

Resolution: .001" (.01 mm), .01" (.1mm) user selectable

Probe recognition: Via a pick list from a menu

Delay line auto zero measurement: Auto at power up with listed numeric value. Ideal for correcting delay line wear/curvature and for transducer acoustic drift at elevated temperatures

Package: IP54 rated Custom, splash-proof, high impact plastic with illuminating rubber keypad for go/no-go testing

Bandwidth: 0.5-20 MHz (-3dB)

Units: English/Metric/Microseconds

Gain: Low, Standard and High for varying test conditions (for gages without a waveform) or 1 dB steps from 20-90 dB or Automatic Gain Control (AGC) for gages with a waveform

Fast Min/Max Mode: Simultaneously displays minimum or maximum and actual thickness value at 20 measurements per second

Differential Mode: Displays the difference from the actual thickness measurement in absolute or percentage of a user entered reference value

Alarms: Minimum/Maximum depth, vibrates, beeps and display flashes as well as keypad illumination

Illuminating keypad: F1 = Red, F2 = Yellow and F3 = Green for easy go/no-go testing

Ergonomics: User selectable lefty or rightly display changes via keypad

Backlight: Light Emitting Diode, On/Off or Auto On based on valid readings or last key press

Shut off: Auto, user programmable time out (1-31 minutes), after no reading/key press or never shut off

Protective pouch: Custom molded pouch with wrist strap and belt clip (Optional, standard on DLW and DL gages)

Transport case: Hard Plastic with high density molded foam cut out for gage and most accessories

Freeze mode: Freezes display (ideal for high temperature readings)

Hold mode: Holds display to retain last thickness reading

Standard EHC-09 Wave Series includes: Ultrasonic thickness gage, DKS-537, 5 MHz 0.375 inch diameter potted cable, operational manual, Data XL interface program, couplant, and transport case. See chart below for standard inclusions for each gage

Warranty: Limited 2 year warranty on parts and labor for gage only under normal use

Transducers: A wide variety of dual transducers from 1-10 mhz, high temperature duals, delay lines and pencil probes. Note the EHC-09A only works with the DK-718, DK(S)-537 and the DC-250.

Item	Specification	EHC-09DLW	EHC-09DL	EHC-09	EHC-09 B	EHC-09 A
Language:	English, French, Spanish, Italian, Czech, German, Portuguese, Slovak, Finnish, and Hungarian	✓	✓	✓	✓	✓
Thickness range:	0.020 - 20 inches (.50 mm - 508 mm)	✓	✓	✓	✓	✓
Hold mode:	Holds display to retain last thickness reading with reverse video display	✓	✓	✓	✓	✓
Freeze mode:	Freezes display	✓	✓	✓	✓	✓
Fast Min/Max Mode:	Simultaneously displays minimum or maximum and actual thickness value at 20 measurements per second	✓	✓	✓	✓	O
Units:	Inches/Millimeters/Microseconds	✓	✓	✓	✓	✓
Alarms:	Minimum/Maximum depth, vibrates, beeps and display flashes as well as keypad illumination and vibration	✓	✓	✓	✓ *	O
Illuminating keypad:	F1 = Red, F2 = Yellow and F3 = Green for easy, go/no-go testing	✓	✓	✓	✓	O
Gain:	Variable adjustment of gain	✓	✓	✓	O	O
Differential Mode:	Displays the difference from the actual thickness measurement and a user entered reference value	✓	✓	✓	O	O
Velocity Mode:	Displays acoustic sound speed	✓	✓	✓	O	O
Non-Encoded B-Scan:	Displays a cross section of the test piece	✓	✓	O	O	O
Echo to Echo:	Measures the metal thickness only (ignore paint and coatings)	✓	✓	✓	O	O
Datalogger:	Upgrade to Data Logger Version, 100,000 readings in linear, 2D, 3D grid or boiler alphanumeric files, 20 character file name, export to excel via Data XL interface program, also compatable with Ultrapipe	✓	✓	O	O	O
Carrying Pouch:	Custom molded with belt clip and elastic strap	✓	✓	O	O	O
Live Waveform (A-scan)	Full adjustments, for gain in 1db step or AGC, main bang blank, blank after first received echo, range including zoom auto tracking to center echoes independent of material and rectification	✓	O	O	O	O

* EHC-09B does not include vibrate feature
O = Software options that are field upgradeable, no need to return the unit to the factory