AS EASY AS A-B-C:

EHC-09 | Wave

A IS FOR A-SCAN
B IS FOR B-SCAN
AND C IS FOR COLOR DISPLAY...

- LIVE SIMULTANEOUS COLOR WAVEFORM AND THICKNESS DISPLAY
- DYNAMIC WAVEFORM COLOR CHANGE ON ALARM
- CONTROL OF GAIN, BLANKING, RANGE, RF AND RECTIFY MODES
- AVAILABLE IN MULTIPLE MODELS

Danatronics is proud to introduce the world's smallest ultrasonic thickness gage with high resolution COLOR waveform display, The EHC-09 Wave. Unique features include live COLOR A-Scan, B-Scan, 50K thickness reading (5000 waveforms) datalogger with interface program, vibration and COLOR change of waveform on alarm.

Auto range centers echoes in the middle of the screen independent of material thickness. The blanking and gain adjustments are ideal for complete waveform adjustment and control. The echo to echo feature can ignore the paint or coating thickness. The waveform option can even be added to our popular EHC-09 gages.

Typical Applications:

- Boiler Tubes
- Pressure Vessels
- Storage Tanks
- Ship Hulls
- Containers
- Home Oil Tanks
- Pipes
- Steam lines
- Compressors
- Shafts
- Bridge Pins
- Bond Inspection

Software options are field upgradeable, there is no need to plug in a USB cable or return the unit to our factory.

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

DANATRONICS NDT Made Easy

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Specifications for the EHC-09DL CW, EHC-09 CW, and EHC-09 C

Specifications are subject to change for product improvement without notice

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: 0.008 - 20 inches (.20 mm - 508 mm), depending on material, temperature and transducer selection

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

Temperature: Gage Operating: -4° F to 122° F (-20° C to 50° C) Surface temperature of material: Depending on probe use, from -5° F to 1000° F (-20° C to 537° C)

Battery life: Up to 50 hours (25 hours with backlight on)

Battery type: 2 "AA" Alkaline

Color Display: 170 X 220 pixels, high resolution TFT color display

Information displays: 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)

Auto Probe Setup Parameters: Via pick list from a menu to set up gain, v-path and sensitivity

Delay line 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: 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

Measurement rate: 4 or 20 measurements per second

Differential Mode: Displays the difference from the actual thickness measurement and a user entered reference value

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

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

Automatic probe wear indicator (Transducer attendant): Automatically informs the operator to replace the transducer (Patent Pending)

Ergonomics: User selectable lefty or rightly display changes via keypad (Patent Pending)

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

Shut off: Auto, time out (user programmable from 5-31 minutes or Never shut off)

Fast Scan Min/Max mode: Displays minimum or maximum thickness value at 20 measurements per second (ideal for high temperature thickness reading and tracking the minimum depth) while also displaying actual thickness.

Protective Pouch: Custom molded pouch with belt clip and wrist strap for either lefty or righty operators

Carrying case: Hard Plastic with high density molded cut out for all accessories

Freeze mode: Freezes display to hold onto last reading (ideal for high temperature applications)

Hold mode: Holds display to retain last thickness reading in reverse video display

Standard EHC-09 Wave Series includes: Ultrasonic thickness gage with 5MHz, 0.375 inch diameter transducer with potted cable, operational manual, cable, couplant and protective pouch

Warranty: Limited 2 year warranty on parts and labor

Item	Specification	EHC-09DL CW	EHC-09 CW	EHC-09 C
Thickness range:	0.008 - 20 inches (.20 mm - 508 mm)	✓	✓	✓
Delay line 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	✓	✓	✓
Scan mode:	Displays minimum or maximum thickness value at 20 measurements per second	✓	✓	✓
Differential Mode:	Displays the difference from the actual thickness measurement and a user entered reference value	✓	✓	✓
Alarms:	Minimum/Maximum depth, vibralarm, beeps and display flashes as well as keypad illumination and vibration	✓	✓	✓
Illuminating keypad:	F1 = Red, F2 = Yellow and F3 = Green for easy, go/no-go testing	✓	✓	✓
Automatic probe wear indicator:	Automatically informs the operator to replace the transducer (Patent Pending)	✓	✓	✓
Waveform:	Live Color Waveform	✓	✓	O
Range:	Adjustment of manual range control or auto zoom tracking to center echoes independent of selected range	✓	✓	–
Gain Adjust:	Variable adjustment of gain	✓	✓	✓
Rectification Modes:	RF, Half Wave Positive, Half Wave Negative and Full Wave Recitification	✓	✓	–
Echo to Echo:	Measures the metal thickness only (ignore paint and coatings)	✓	O	O
Non-Encoded B-Scan:	Displays a cross section of the test piece	✓	O	O
Datalogger:	50,000 thickness datalogger with ID point in linear or grid files (100 to 5,000 readings per file)	✓	O	O

Software options are field upgradeable, no need to return the unit to the factory

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Danatronics Corporation | 150A Andover St. Suite 8C | Danvers, MA 01923
Phone: 978-777-0081 | Fax: 978-777-3798 | Toll Free: 866-908-6100 | www.danatronics.com