

Measures Wall Thickness and Displays Cylinder Bore Cross Section

Save Time, Save Money
Identify Costly
Problems NOW!

CB110 Ultrasonic Cylinder Bore Inspection Gage



The TG110-DL offers an outstanding value and feature set no other Thickness Gage can match in a hand held digital Ultrasonic Thickness Gage. Highlighted Features include:

- User Friendly, Plain Text Menus
- Amazing LIVE Cross Section Scan Mode
- Cylinder Bore Inspection Report Mode
- Engine Report View & Print Mode
- 2 Point Calibration For Optimum Accuracy
- 50,000 Point Data Logger
- 128 X 64 Graphic Display
- EASY Grip All Aluminum sealed Case
- Auto Probe Recognition
- Fully adjustable Calibration
- Scrollable "SpreadSheet" Report View
- High Speed Scan Mode
- Backlight

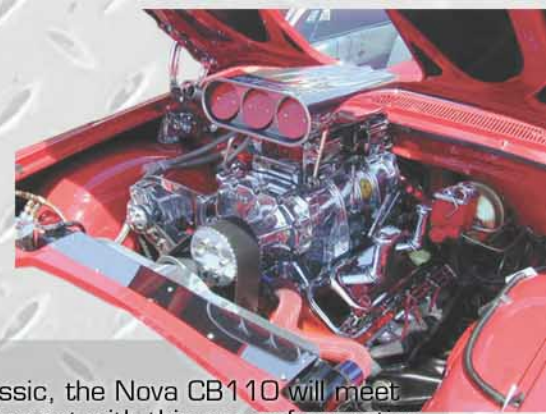
- Single Point Calibration
- 2 Point Calibration For
- High & Low Alarm Levels
- "Quick View" thickness bar
- Encoded Cross Section
- Option Available
- Through Paint Capable
- RS-232 I/O

 **NDT Systems**
Worldwide Excellence In Ultrasonics



CB110

Ultrasonic Thickness Gage



FEATURING SCSV

Whether you are building a hard core racing machine or restoring a timeless Classic, the Nova CB110 will meet virtually all of your automotive inspection requirements. No other hand held instrument with this ease of operation can offer the kind of information available from the CB110. By pressing one single key you are presented with the unique ability to display a LIVE, **Scrolling Cross Section View** or plot of the inspection zone, trouble areas will simply jump out. Just slide the sensor up or down an area of interest, such as a cylinder bore and you will be presented with a Cross Section View of that scan line. The results are very revealing!

Along with the **Scrolling Cross Section View**, the CB110 can store individual thickness readings in a ready made log file for each cylinder for download or report printing at a later time. Log files are stored using up to 32 characters therefore allowing the identification of the block or customer as an example... No other gage offers this professional approach to engine inspection and reporting. These reports can be printed directly from the CB110 itself to an available portable printer or saved to a PC via the Data Transfer Kit

The CB110 is available with a broad array of sensors for those complex inspection requirements such as seen when inspecting various ports of a Cylinder Head. Additionally, we can design a sensor for virtually any geometry as required.

Although the CB110 offers the most extensive set of features available in a hand held thickness gage, we recognize you may just want to simply measure thickness. Nothing could be easier. Simply "zero" the sensor and calibrate the unit by pressing the thickness up or down arrows... **NO MENUS** involved!! This is an instrument you can truly grow with as needed.

Does the Thickness Gage you may be considering offer you ALL of these features ?



"EASY Grip"
All Al Case
Design

Specifications

Display:
128 x 64 Graphic (1.96" x 1.25")
Backlight - On / Off / Auto with reading
Last reading hold
Analog style Scan Bar (scale adjustable)

Physical:
3" Wide X 1.25 Deep X 4.9" Long
All Aluminum with gasketed end caps

Power:
2AA Batteries - up to 200 hours

Range / Resolution:
0.022" - 50.000" (0.55mm - 1,270mm)
resolution - 0.001" (0.025mm)
Inch/mm selectable

Velocity Range:
0.0490 to .9999 in/us
fully adjustable.

Calibration:
Auto Zero / Single and Dual point Calibration

Pulsar / Receiver:
Up to 200 pulses per sec in high speed,
Scrolling and ENCODED Scan View
10X The Better than Competitive Units!

Probe / Sense:
Dual Element
Auto Probe Recognition or library selectable
from menu. Permits legacy probe use from
instruments such as Nova 100D

Differential Reading mode (Difference + or - to set
thickness)

Coupling Indicator

Alarm LED - Hi & Low Alarm active in Scan Mode

RS-232 I/O
Download data from logger or upload optional
components... in the field!

50,000 point data logger. 30 character alpha
numeric identification of files.

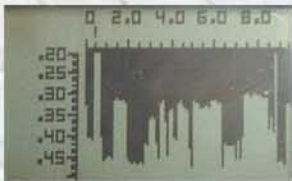
Through Paint capability (optional)

Time encoded Cross Section Scan View
ENCODED - Sensor Cart Req (optional)

Sensors, cables and accessories are
available for almost any application

Rugged Pelican carry case included

CE Approved
Manufactured in facilities meeting ISO9001
manufacturing processes



Actual Scan results
obtained using
optional "Hammer"
Sensor using the
standard Scrolling
Section Scan View

PRINT	CYLINDER->		
SIDE: Front			
SCAN: View			
Top	0.134		
cen	0.130	0.134	
Bot	0.121		

Review information
in an Industry specific
"Engine Log mode."
Log various positions
within bore. Store
Thickness & Section
Scans for EACH
Cylinder... Simple &
Intuitive



Scale set 0" - 8"
Note Scan Bar
(bottom line)
in this view. This
Scale is user adjust-
able to virtually any
start & stop point...
i.e. 0.000" - 0.250"

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Specifications subject to change without notice. (E & O.E.)

