

"The Right Choice"

TG110-DL

Ultrasonic Thickness Gage



The World's "BEST"  
Ultrasonic Thickness  
Gage Just Got  
Even BETTER!



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

User Friendly, Plain Text Menus  
128 X 64 Graphic Display  
EASY Grip All Aluminum sealed Case  
Auto Probe Recognition  
Legacy Probe Library  
Fully adjustable velocity  
50,000 Point Data Logger  
Scrollable "SpreadSheet" View  
In-Field option upgradeable  
High Speed Scan Mode  
Backlight

Single Point Calibration  
2 Point Calibration  
High & Low Alarm Levels  
"Quick View" thickness bar  
RS-232 I/O  
B Scan Display  
Through Paint Capable

 **NDT Systems**  
Worldwide Excellence In Ultrasonics



# TG110-DL

## Ultrasonic Thickness Gage

# 50,000 Point Data Logger !!

The Nova TG110-DL defines the standard for performance and value in Ultrasonic Thickness Gages. It would be difficult, if not impossible to find a gage offering the long list of features the TG110-DL does. For about the price of the competition's current fixed velocity Gage, NDT Systems is offering a fully loaded gage which can be up-graded in the field with optional software components. The TG110-DL is housed in a custom, all aluminum enclosure with gasketed ends. The case is designed for maximum comfort while offering the user maximum grip along the sides and back surfaces. Most other gages have smooth surfaces that once wet with couplant are difficult to hold.

The display is a full 128 x 64 pixels (1.96" x 1.25") and incorporates simple language text for all menus. Try that on any 7 segment display unit. Along with the 1/2" high primary numeric readout area an analog style bar is located at the bottom of the screen and represents a visual indication of the current thickness. This is particularly useful while in the high speed scan mode. The eye can perceive these linear movements much easier than rolling digits therefore general thickness trend information is easier to interpret. Additionally, a graphic display permits logged data to be displayed in a grid fashion, much like a spreadsheet. Also, the user can review the log by scrolling through the rows and columns much like a spreadsheet. Any value above or below a preset value will cause that cell to flash in the spread sheet view.

Other features include single and dual point calibration capability, High & Low Alarms, High Speed Scan mode optional 'B' Scan and through paint capability.



"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

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" std mode - resolution  
0.001" Std & 0.0001 in Hi Res Mode  
Inch/mm selectable

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

Calibration:  
Auto Zero / Single and Dual point Calibration

Pulser / Receiver:  
Up to 50 pulses per sec in high speed,  
high resolution mode.  
Auto or user selectable gain.

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

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)

'T' Scan - Time encoded 'B' Scan (optional)

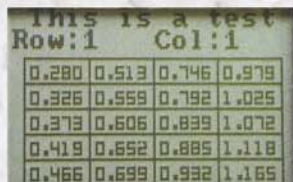
Transducers, cables and accessories are available  
for almost any application

Plastic carry case included

CE Approved  
Manufactured in facilities meeting ISO9001  
manufacturing processes



Adjustable Scale  
& Scan Bar  
Start Stop



Review the log  
in a full spread-  
sheet mode.  
Pan & Scroll  
rows & Col.  
Simple &  
Intuitive



Scale set 0" - 8"  
Note Scan Bar  
in this view

Authorized Representative

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