TG210 & TG410

Miniature Ultrasonic Thickness Gages

Featuring 3.9", 240x320 Display
VERY Sunlight Readable!!
User Friendly, Plain Text Menus
Unique SplitView: Dual A-Trace
SplitScan: A-Trace & B-Scan
AutoTrack: Tracking Zoom Window
Thickness IP, IF & E-E Gating
EASY Grip Aluminum Sealed Case
Encoded & Scrolling B-Scan
High Speed LCD Display
Embedded Probe Library
7"H x 3.25"W x 1.4"D
2 MByte Data Logger
Spreadsheet Style Logging
High Speed Scan Mode
Single Point Calibration
2 Point Calibration
3 or 6 'AA' Batteries
English / Metric
Backlight
USB I/O

TG210
Dual Element
Corrosion/General Purpose

TG410
Precision Series
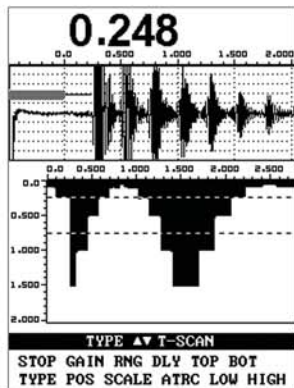Contact, Delay, Dual
0.0001" Resolution

NDT Systems

Worldwide Excellence In Ultrasonics

TG210 & TG410
Miniature Ultrasonic Thickness Gages

3.9" 240 x 320 Display
SplitView: Atrace
SplitScan: A-Trace & B-Scan
AutoTrack: Auto Tracking Zoom
Increadable Price !!

RF & B-Scan Running in SplitScan Mode

Bigger Is Not Always Better! The All New Nova TG210 & TG410 Dual Time Base, A-Scan Series of Thickness Gauges define a new standard for performance, features and portability in Handheld Ultrasonic Thickness Gauges. These ALL NEW Nova Series offers Pulse Rep Rates up to 300Hz, With Display Updates of 40Hz... fast enough for all but the most demanding applications. With the introduction of three NEW, Industry Leading Features including SplitView, SplitScan and AutoTrack, the New Nova Series possibly presents the best features for price in High Performance Thickness Gauges available. The high speed, fully sunlight readable, backlit display offers full Quarter VGA resolution. The resolution of the display is so crisp, it will appear to approach analog! User interface is via simple plain text menus located at the bottom of the display. Large numeric display zone offers full 7/16" high characters representing Thickness.

Both instruments incorporate a full featured Data Logger with the ability to store thickness, A-Scan and B-Scan for a given point. Logs and/or points can be saved with a full 32 character file name and 8 lines of 32 characters as well, allowing as much description as necessary at file or down to point level.

...Please call for more information.

Specifications

Full Screen FW Filled   Full Screen B-Scan

RF (left) and FW (right) in SplitView & AutoTrack

Screen Save Dialog   FW, SplitView, Hollow

Optional Leather Case w/Tilt Stand

Display: Full 240 x 320 (QVGA) Graphic (2.3"W x 3.1"H)
Backlight - On / Off / Auto with reading Last reading hold

SplitView: (Handheld Industry First)
Main Trace Window: 100 - 10% in 10% Incr.
Split View Window: 10% - 100% in 10% Incr.
as a Function of Main Trace Window Size

SplitScan: (Handheld Industry First)
Display A-Trace and B-Scan Simultaneously

AutoTrack: (Handheld Industry First)
When in SplitView, Second Window Displays
a Zoom View of the Main A-Trace which Tracks
The Echo Being Measured

Screen Freeze Mode: Freeze & Save

Physical:
3.25" Wide X 1.4 Deep X 7" Long
All Aluminum with Sealed and Rubberized end caps

NEW...
Range: 0.085" - 340"   Delay: 0 - 165" @ Full Range!
Resolution - 0.001" (TG210) - 0.0001" TG410
Inch/mm selectable

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

Calibration: Range, Delay, Velocity & Zero

Pulser / Receiver: Up to 300Hz Rep Rate,
Unique and Adjustable IP Supression Mode

Display Mode: RF, +HW, -HW, FW

GAIN: 100dB

Usable Frequency Range - 500Khz - 20MHz

Probe Select:
Single / Dual Element - (TG410)
Dual ONLY - (TG210)

Probe ID Key (NDT Gaging Probes) or Probe Library Selection

Peak Echo Hold: Fixed or Unique Timed "Waterfall" reset

Damping: - 8 Damping Levels 22 - 2K Ohms

Alarm: LED Thickness High, Lo or High/Lo

I/O: USB Connectivity: Up and Download Setups and Data from logger

Memory: 2 MegaBYTE data logger. 30+ character alpha numeric identification of files. Store 250+ Waveforms & B-Scans

Operational Modes:
Single/Dual/Contact/Delay

Gates:
Contact - IP-1st, 1st-2nd (Permits Through Paint)
Delay/Bubbler/Immersion
IP Blocking, IF Blocking, IF-1st, 1st-2nd Echo Blk
POS or NEG Gating

B-Scan Features:
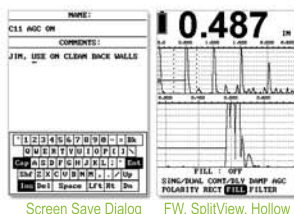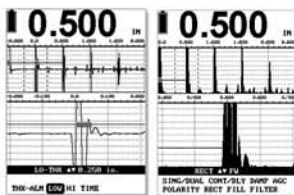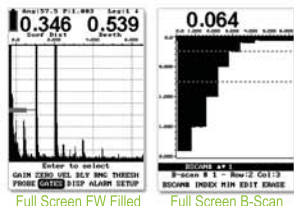'T' Scan - Time encoded 'B' Scan (Scrolling)
Encoded B-Scan (Optional)

Power Requirements: Operates on 3 or 6 'AA' Alkaline or NiMH Batteries • Charger & NiMH Batteries Included

Transducers, cables and accessories are available for almost any application

Plastic carry case included

CE Approved

Manufactured in facilities meeting ISO9001 manufacturing processes

Authorized Representative

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