

GE

Sensing & Inspection



DMS Go

A-Scan Thickness Gauge

November 2010



imagination at work

DMS Go



High performance A-Scan thickness gauge in
field-proven USM Go Package

With

Powerful data recorder

And

Field upgradeability to USM Go functionality

Same Great Features as the Field Proven GE USM Go Flaw Detector...

- Small and lightweight
 - 870 g (1.92 lbs)
- Simple user interface
- One hand ambidextrous operation
- Large color TFT display
 - 5 inch screen diagonal
 - 800 x 400 pixels
- Sealed to IP 67 – dust & water proof

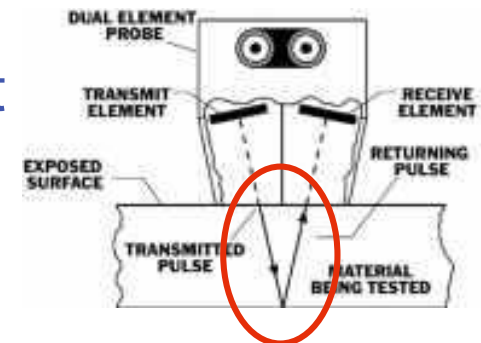


DMS Go Offers Our Thickness Gauging Customers...

- Stable, repeatable thickness measurements
- High temperature measurement performance
- Comprehensive data recorder
- Easy field upgradeability
 - Add USM Go functionality to DMS Go
 - Add DMS Go functionality to USM Go

Thickness Measurement Stability

- Automated Gain Control (AGC)
 - Big time-saving for inspectors: gain is adjusted automatically to compensate for surface and back wall condition
- Zero crossing measurement improves reading stability
 - It's easier –and faster- to check the measurement because it is always done the same way
 - Proprietary algorithm eliminates measurement errors due to cycle skipping
- V-path correction ensures measurement accuracy with dual element transducers



V-Path

High Temperature Thickness Measurement Performance

Stable high temperature thickness readings with DA-590 probe

Temperature correction of thickness with industry algorithms

Ability to support other probes including HT-400 using custom probe set-ups



Testing Block	Measured Temperature (°F)	Measured Thickness
.040"	435	0.039
.103"	414	0.102
.207"	484	0.203
.516"	446	0.508
1.031"	404	1.031

1000°F

Testing Block	Measurement (inch)
.25"	0.263
.50"	0.499
.75"	0.754
1.00"	1.011

Powerful Data Recorder with SD Card and USB Connectivity

- ✓ Same data recorder capabilities as field-proven DMS2 plus a few new features...
 - DMS GO 'Explorer' for file navigation
 - Export in PDF, CSV, and DAT formats
- ✓ Thickness readings and set-up parameters stored on SD Card
- ✓ Same data transfer capabilities as USM Go via SD card or USB cable
- ✓ New UltraMate supports DMS Go, DMS 2, and DM5
- ✓ SDK available for 3rd party software integration including PCMS, Meridian, Siemens (old UltraPipe), & Metegrity Visions (former RTD)



Microsoft Excel - CSL (3).CSV [Read-Only]

	A	B	C	D	E	F
1	LOCATION	2	3	4	5	
2	LOC10	EMPTY	2.26 (mm)	EMPTY	EMPTY	
3	LOC12	2.26 (mm)	EMPTY	EMPTY	EMPTY	
4	LOC14	EMPTY	EMPTY	2.26 (mm)	2.26 (mm)	
5	LOC16	EMPTY	EMPTY	EMPTY	EMPTY	
6	LOC18	EMPTY	2.26 (mm)	EMPTY	2.25 (mm)	
7						
8						
9						
10						
11						
12						

Supports the GE DA-5XX Probe Family and Popular Legacy Probes

- DA-5XX probes
- DA-590 high temp probe
- OSS-10 for oxide scale
- TC 560 Top Coat Probe
- Some legacy DA-3XX probes
- Popular single element probes
- Other probes with custom set-ups



Easy Field Upgradeability



Both ways

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Small, Lightweight, Easy-to-Carry...

- DMS Go is the lightest weight A-Scan thickness gauge at 870 grams
- DMS Go will easily fit inside a briefcase or coveralls pocket



Easy-to-Read Screens and Multiple Display Modes

Large Digits Mode



Large A-Scan Mode w/Grid File



Menu Prompted Calibration Mode



B-Scan Mode



Easy-to-Use...Joy Stick with Simple Menu Operation



Joy Stick Operation

Up/Down scrolls to options
Left/Right selects value



Less Operator Fatigue

All controls fall naturally under the thumb

Easy-to-Read...Large Display Area, High Pixel Count, and Landscape Orientation

- Large display area & high pixel count for better signal resolution and easier readability
- DMS Go 'landscape' display ratio gives better echo separation



Display Area: 5 inch diagonal

Pixel Count: 800 x 400

Display Ratio: Landscape



Echo Separation

DMS Go Packages

DMS Go Options	DMS Go Base	DMS Go TC	DMS Go DR	DMS Go Advanced
The Instrument + Zero Block	•	•	•	•
1 Battery	•	•	•	•
Battery Charger	•	•	•	•
Mobility Kit: Handstrap + SD Card + Transportation Case	•	•	•	•
TopCoat & Auto-V	option	•	option	•
Advanced Data Recorder	option	option	•	•
UltraMATE Lite	option	option	•	•
Chest Harness	option	option	•	•
USM Go Flaw Detector Features	option	option	option	option

DMS Go Offers Asset Owners and Inspection Service Providers...

- Stable, repeatable thickness measurements
- High temperature measurement performance
- Thickness measurement compensation for temperature
- Comprehensive data recorder with Explorer file navigation and SD card file operations
- Easy field upgradeability to portable flaw detector

DMS Go Offers DMS and DMS2 Owners...

- DMS 2 capabilities in new field-proven IP 67 package
- High resolution color display
- Improved thickness measurement capabilities including stable high temperature performance

DMS Go Offers USM Go Owners...

- Easy, pain-free upgrade path to A-Scan thickness capabilities at ~55 % of price of new gauge
- Similar GUI and identical package
- One package with 2 inspection capabilities – flaw & A-scan thick



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Field upgradeability to USM Go capabilities

