

GE  
Measurement & Control

# DMS Go+ Series

Ultra-portable and powerful  
A-scan thickness gauges



# Simple, Portable & Powerful

The DMS Go+ Series offers comprehensive, hand-held solutions to thickness measurement, data recording and data management in a wide range of applications and environments.

From simple A-scan verification to B-scan to full Data Recording capabilities, one of the DMS Go+ instruments will meet your corrosion thickness application needs.

Choose from three models to match your specific application:

## DMS Go+ Basic : Great quality/value



- Simple to use, A-scan verification, rugged and reliable, IP67 sealing
- Compatible with high quality D-Meter dual-element probes to handle a wide range of corrosion thickness applications.

## DMS Go+ : Added performance



- B-scan (timed) for cross-sectional view
- Compatible with single element probes for precision thickness measurement and temperature compensated readings.

## DMS Go+ Advanced : Full features set



- 6 data recording file structures plus 3D & 4D via UltraMATE
- TopCoat/Auto-V measurement capabilities to eliminate removal of many coatings.

All models feature intuitive, easy-to-use arrow-keypad control, powerful data management and the latest industrial electronics to provide accurate, reliable and comprehensive thickness inspection data.

The DMS Go+ Series of A-scan thickness gauges are easily upgradeable to add the additional features and capabilities of the 3 models, and the comprehensive USM Go+ flaw detector capabilities to form a powerful and flexible NDT inspection tool.

All DMS Go+ models are compatible with our high quality, high performance Krautkramer D-Meter dual elements probes. The DMS Go+ and DMS Go+ Advanced instruments are also compatible with our single element precision thickness gauging probes. The Advanced version offers the Topcoat/Auto-V technology for measuring through coatings.



## Ergonomic design for easy operation

- Intuitive arrow-keypad for positive digital control of parameters
- One hand operation and one-hand, menu-directed calibration process
- A "Flip" function allows use by both left-handed and right-handed operators
- Portrait or landscape views to match user preference
- A large, 800x480 pixel, display screen, ergonomically sized to reduce eye-strain, which can be adjusted to provide optimum visibility in various ambient light conditions
- Small size, lightweight (870g, 1.9lb), robust construction to IP67 for operation in harsh environments
- Battery allows up to 10 hours operation and can be re-charged on- or off-board
- Expert/User modes that are password protected to match the features to the operator and application

## High performance thickness measurement

- Zero cross measurement technique for high measurement stability and reliability
- Automatic gain control for excellent repeatability and corrosion monitoring
- Built-in temperature compensation for accurate measurement up to 540°C (1000°F)\*
- Multiple calibration and zeroing modes for repeatable accuracy
- Multiple measurement modes, including thickness, A-scan, B-scan\*, Min/max and differential\*
- Save and load parameter sets for easy recall and repeatability from inspection to inspection



High quality Krautkramer D-meter probes are compatible with all DMS Go+ models

## High capacity data recorder and compatibility with powerful data management systems

- On-board data recorder, with capacity of thousands of thickness readings, with storage of A-scan, B-scan and MicroGrid attachments. The DMS Go+ Advanced offers expanded data recording capability with additional boiler, custom grid, 3D, & 4D file structures, custom linear file structures (3D & 4D file structures, available in UltraMATE).
- Data transfer is by SD card or via USB port to PC. Data can be transferred in various file formats to allow easy integration with user data management systems
- Export data in multiple file formats (e.g. CSV, PDF, DAT, XML, JPG screen capture)
- Compatible with UltraMate and UltraMate Lite data management programs to allow for comprehensive data analysis and documentation
- Compatible with many of the popular mechanical integrity risk-based inspection data management analysis programs. SDK (software development kit) available to link to other software programs

\* Not included in DMS Go+ Basic model

## A wide range of applications

The DMS Go+ Series is suitable for thickness measurement in a wide variety of applications throughout the industrial and process spectrum.

Typical applications include:

### Oil & Gas

- Inspection and monitoring of corrosion in tubes, vessels and tanks;
- Measurement of remaining wall thickness through paint coatings.

### Aerospace

- Maintenance checks

They are especially applicable for corrosion measurement and monitoring, even on coated components and structures and at high temperatures.

### Metals Industry

- Thickness measurement of austenitic materials

### Power Generation

- Inspection of complex geometry tubes;
- Monitoring of boiler efficiency by measuring oxide scale in boiler tubes with special probe OSS-10.

The DMS Go+ ADVANCED model includes the powerful TopCOAT technology which allows measurement of coating thickness as well as metal thickness, while Auto-V

measurement enables thickness to be measured on components with unknown sound velocities, without the need for a calibration block.



Choose landscape or portrait views at the press of a key





## A simple software upgrade adds a comprehensive and versatile flaw detector to any of the DMS Go+ Series

The DMS Go+ Series uses the same operating platform and hardware as the state-of-the-art USM Go+ portable flaw detector. This offers the ability to have an A-scan thickness gauge and full-fledged flaw detector in one powerful & flexible instrument. Either instrument is easily selected from the boot-up screen.

An upgraded DMS Go+ means that personnel now need to carry only one instrument to perform accurate and reliable thickness measurement and flaw detection.



### Technical Data - DSM Go+ Series

Display	5 inch 800 x 480 pixels (W x H) 108 x 65 mm / 4.25 x 2.55" >400 cd/m <sup>2</sup>
Size (W x H x D)	175 x 111 x 50 mm / 6.88 x 4.37 x 1.96"
Weight	877 g / 1.87 lbs.
Protection class	IP 67
Operating temperature	0 – 55 °C / 32 – 131 °F
Battery	Li-Ion, rechargeable > 8 hours operation time
Power adapter / charger	100 – 240 V AC, 50/60 Hz
Probe connector	Dual Lemo-00 (T/R)
PC interface	Micro USB
Memory card	SD-Card 16 GB max
Data recorder (model specific)	100.000 readings per file. Multiple files can be stored on SD card. 8 file formats. Attachment of A-Scan, B-Scan and micro grid
Pulser	120 – 300 V Spike wave Automatically matched to probe
Pulse Repetition Frequency	4, 8 or 16 Hz selectable
Receiver (model specific)	110 dB dynamic. Automatic gain control. Manual -high, -low, -auto
Measurement range	0,4 – 14,000 m (0.01 – 551")
Units	mm, inch, µs
Digital display resolution	0,01 mm or 0,1 mm (0.001" or 0.01") selectable
Measurement techniques (model specific)	Zero crossing. IP to 1st echo. Multi echo, TopCoat, Auto-V
Calibration (model specific)	One-point. Two-point. Auto or Manual On-block and Off-block Zero. Automatic V-Path correction
Display mode (model specific)	Thickness and A-Scan. Temperature corrected thickness. B-Scan. Min/Max capture. Differential
Compliance	EN 61010, EN 61326-1, EN 12668, ASTM E 1324, E317, ANSI/ NCSL Z 540-1-1994, MIL-STD 45662A, MIL-STD 2154, EN 15317



Imagination at work

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