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.

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

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

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/m²
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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