



USM Go Rope Access

USM Go is a high-end portable instrument, which has been developed to meet the market's need for a truly portable and reliable flaw detector, which can be used in a wide variety of applications. It incorporates a correspondingly wide range of operating features and upgrade options to meet the varying requirements of these applications.

USM Go Rope Access is the version of this highly successful instrument which is totally and exclusively dedicated to rope access inspection.

Specifically, certain parameters, such as filters, pulse repetition frequency and rectification mode have been set at their optimum values to facilitate operation, by eliminating the difficult task of selecting and adjusting these parameters at the end of a rope.

Only two fast and easy-to-use evaluation tools are built into the instrument: the DAC module for weld inspection; and a second gate triggered function which facilitates through-coating, thickness measurements. Finally, the TTL output, which is never needed for rope access work, has been removed and this further guarantees the instrument's IP67 status.

/// Oceanscan Limited
/// Denmore Rd / Bridge of Don
/// Aberdeen / AB23 BJW

/// Tel: +44(0)1224 707000
/// Fax: +44(0)1224 707001
/// Email: info@oceanscan.co.uk

www.oceanscan.co.uk



Technical Specifications

LCD Display

Active Area	W x H: 108 mm x 64.8 mm (4.25" x 2.55")
Screen Diagonal	5.0"
Pixel Resolution	W x H: 800 x 480 pixels

Connectors

Probe Connectors	Two LEMO-00
USB Interface	Micro USB connector
SD-Card Connector	Full size SD card slot to accommodate standard SD cards

Pulser - All pulser measurements taken according to EN12668 specifications

Pulser Mode	Simulated spike
Pulser Amplitude	Low: 120 V High: 300 V
Damping	50 or 1000 Ohms
PRF	Automatically optimized between 15 Hz to 2000 Hz, 2 automatic adjustment modes: AutoLow, AutoMed

Receivers

Range	5 m (196")
Digital Gain	Dynamic range of 110 dB, with 0.2 dB step
Analog Bandwidth	0.2 MHz - 20 MHz
Filters	Broad band

Evaluation

DAC	DAC tool / 16 points / Compliant with EN 1712 - EN 1713 - EN1714
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Gate

Independent Gates	2 Gates (A and B), Gate B triggering by Gate A
Rectification	Full Wave (FW)
Measurement	Peak Flank Jflank

Memory

Capacity	Up to 16 GB memory cards can be used
Report	Jpeg and BMP reports
Data Logger	Option for thickness or A-scan recording, compatible with UltraMATE

Environmental

Battery	6 hours battery life On board charging Off board charging with optional adaptor Proportional battery gauge indicating remaining operation time
Charger	"Universal" AC (100 - 240 V, 50-60Hz)
Size	175 mm x 111 mm x 50 mm (6.8" x 4.3" x 1.9")
Weight	845 g (1.87 lb) with the battery
Language	English
Operating Temp. Range	0°C to 55°C
Dustproof/Waterproof	As per IEC 529 Specification for IP67 Classification

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