



## 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.

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## Technical Specifications

### LCD Display

|                         |   |
|-------------------------|---|
| <b>Active Area</b>      | W x H: 108 mm x 64.8 mm (4.25" x 2.55") |
| <b>Screen Diagonal</b>  | 5.0"                                    |
| <b>Pixel Resolution</b> | W x H: 800 x 480 pixels                 |

### Connectors

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

**Pulser** - All pulser measurements taken according to EN12668 specifications

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

### Receivers

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

### Evaluation

|            |  |
|------------|--|
| <b>DAC</b> | DAC tool / 16 points / Compliant with EN 1712 - EN 1713 - EN1714 |
|------------|--|

### Gate

|                          |  |
|--------------------------|--|
| <b>Independent Gates</b> | 2 Gates (A and B), Gate B triggering by Gate A |
| <b>Rectification</b>     | Full Wave (FW)                                 |
| <b>Measurement</b>       | Peak Flank                                     |
|                          | Jflank   |

### Memory

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

### Environmental

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

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