Kongsberg Mesotech
Scanning Sonars and Altimeters

1071 Hi-Res Sonar Head

The 1071 Hi-res Sonar Heads are designed to produce the highest resolution scanning sonar images and profile point extraction for the most demanding underwater acoustic applications. It is designed for unparalleled data clarity at bottom clearance, body and small object detection, marine engineering and applications.

The sonar head performance levels are achieved by increased sampling rates, wider receiver bandwidth, increased power output and very narrow beam patterns for both the profiling transducer and the horizontal axis of the imaging transducer.

The sonar telemetry is RS485 and RS232 compatible and is automatically sensed and configured at start up to match the telemetry link available. The sonar head operation is configured and controlled using the MS1000 Scanning Sonar Processor.

1171 Dual Transducer Imaging Sonar Head

The 1171 Domed Sonar Heads have been developed for deep ocean applications and combine reduced size and weight with high quality data. The transducers are protected in oil-filled, pressure compensating domes. The sonar telemetry is RS485 and RS232 compatible and is automatically sensed and configured at start up to match the telemetry link available. The sonar head operation is configured and controlled using the MS1000 Scanning Sonar Processor.

The 1171 Dual Transducer Sonar Head design provides user selectable sonar frequency and allows the operator to optimize resolution and image clarity for long and short range applications

The 1171 Multi-Frequency Profiling Sonar Head design provides user selectable sonar frequency and allows the operator to optimize the profiling configuration for different applications and environmental conditions.

1007 Altimeter

The 1007 Altimeters are precision underwater acoustic instruments designed for long range and high accuracy. The 1007 altimeter is ideally suited to positioning, berthing, height above seabed, and below surface monitoring.

The 1007 digital altimeters are small, lightweight and designed for deep ocean applications where dimensions and weight are key equipment selection factors. Depending on the model, the altimeter can be configured to operate as a stand-alone altimeter or under the control of the MS 1000 Scanning Sonar Processor.

MS 1000 Scanning Sonar

The MS 1000 Scanning Sonar Processor software is a Windows based application and converts any standard PC into a full-function sonar processor without the need for additional boards or hardware.

The 1000 software can be configured to control the complete digital line of Kongsberg Mesotech's scanning sonar, altimeter and bathy sensor products via industry standard telemetry protocols.

Subject to change without notice

For further information please visit www.macartney.com

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