

Miniature Pipe Profiling Sonar

Model 2512USB



The Model 2512 Pipe Profiling Sonar provides an acoustic method for profiling the interiors of liquid filled pipes or boreholes. This method does not require draining of the pipes as with camera surveys and provides accurate quantified data which can not be obtained from a camera display alone.

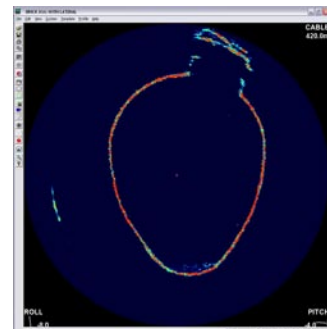
The equipment comprises of an underwater Scanning Unit (which may be skid, float, tractor or ROV mounted) and a compact USB interface Unit. To complete the system a "Windows" P.C. with a USB port is required to run the 2512 system software.

The Scanning Unit is a rugged stainless steel cylinder with a pressure balanced polyurethane transducer housing at one end, and the umbilical cable connector at the other. The standard Scanning Unit is rated at 100m operational depth. Two lead-acid batteries could be used to power the Scanning Unit together with a notebook P.C. for a completely portable solution. Internal Pitch and Roll sensors display, in analogue and digital form, the orientation of the sonar in the pipe.

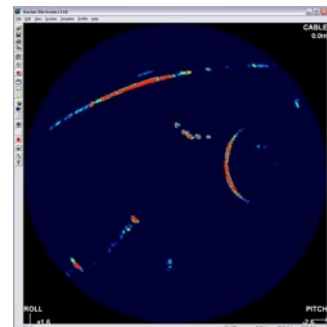
The USB Interface Unit connects to either a USB1.1 or USB2.0 port on a host P.C. running under the "Windows" operating system. (Win'98 upwards is supported). The USB Interface has inputs for a cable payout encoder so that the distance travelled may be displayed to 0.1m resolution allowing accurate determination of where flaws exist in the pipe relative to the deployment position. The USB Interface is self-powered from the P.C.

FEATURES INCLUDE

- Real Time continuous scanning over a full 360° in 1 second
- Windows user-friendly software with USB hardware minimises training time
- Direct capture to Hard Disk for high resolution image save and restore
- Dual tracking cursor for accurate on-screen measurements
- 360° Internal Pitch and Roll sensors
- Quadrature and compatible cable counter interfaces built in
- 500m cable drive as standard, fibre-optic system optional
- Automatic profile detection and output in ASCII format for import into third party 3D modelling software



Data View



High resolution image capture



AC-DC Power Supply with USB Interface Unit



Stand-alone USB Interface Unit

www.amindustrial.co.uk

info@amindustrial.co.uk

Southern Office
AM Industrial (UK) Ltd,
 Unit 13 Nimbus,
 Hercules Way,
 Farnborough,
 Hants., GU14 6UU

Tel: +44 (0) 1252 544 800
 Fax: +44 (0) 1252 545 296

Northern Office
AM Industrial (UK) Ltd
 Unit 7 Woodrow Business Centre,
 4 Woodrow Way,
 Irlam, Manchester,
 M44 6NN

Tel: +44 (0) 161 775 8555
 Fax: +44 (0) 161 775 8555