SONEMAT

Longitudinal Wave EMAT LW1535

Contact Us

Product Features

- No couplants or surface preparation
- Generates and detects at 3-5 MHz centre frequency
- Compatible with Sonemat's PR5000, or GS2020 EMAT Adapter for compatibility with UT flaw detectors with no retraining
- Operates on conductive (not magnetic) samples

Unlock the full potential of EMAT NDT with Sonemat's longitudinal bulk wave probe (LW1535). It generates a longitudinal (compression), rather than shear wave as is more common with EMATs, on conductive samples. It does not work on magnetic samples as the magntisation force cancels our the Lorentz force - contact us for more information.

Applications

Energy Generation | Nuclear | Tanks and vessels | Pipelines | Oil and Gas

The LW1535 is suitable for a range of industrial applications, in non-destructive testing (NDT) in sectors such as energy generation, petrochemical and oil & gas. Its broadband frequency response and adaptability make it perfect for flaw detection, thickness measurement, and applications where a longitudinal wave is required.

- Thickness gauging (± 0.1mm)
- Corrosion monitoring
- Boiler tube inspection
- Defect detection

SONEMAT
info@sonemat.com
www.sonemat.co.uk

UK CA

MADE IN BRITAIN

Specifications

SONEMAT

Feature	Description
Probe Configuration	Pulse-Echo, can be used in pitch-catch with two probes
EMAT Working Principle	Lorentz force mechanism
Weight	0.5kg
Dimensions	55mm length x 45mm diameter, width with BNC socket 60mm
Operating Temp.	0 - 80 °C
Working Voltage	300 - 1000V pulse
Excitation Frequency	Broadband (spike) optimised for peak energy around 3-5 MHz
Wear Face	Alumina ceramic, composite or metal can be used
Connections	BNC socket (50Ω)
Recommended Electronics (Driver and Amplifier)	Sonemat's GS2020, PR5000 or PR5020 Contact us for more information
Options	High temperature and large lift-off variants are available Contact us for more information

Contact Us