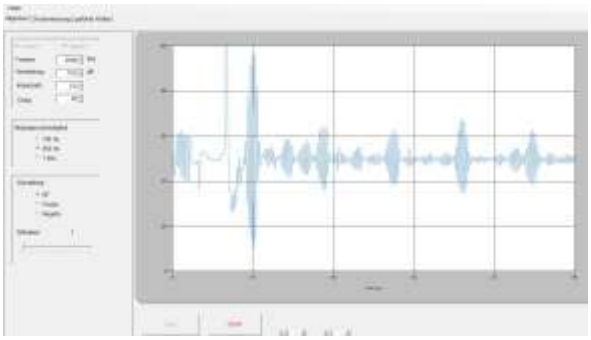
OPTIEMAT® mobil

OPTIMESS



Portable testing device for quaility control and maintenance

OptiEMAT ® mobil is the portable test device for noncontact ultrasonic inspections (EMAT) at electrically conducting materials.

Applications are thickness measurements, weld inspections for pipes or blank sheets (Taylor Welded Blanks), surface inspections, also for hot components, as well as corrosion inspections.

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Advantages of EMAT ultrasound

- Measurements WITHOUT couplant
- Material inspections also for hot components
- Generation of guided waves
- Applications in which conventional ultrasonic testing methods are difficult or not applicable, e.g. inspection of thin materials

Industrial applications

- Weld inspection (for longitudinal seam welded pipes and blank sheets, TWB)
- Crack detection, e.g. for pressure cylinders and gas accumulators
- Surface inspection of rolled, hot or cold-formed parts
- Corrosion inspection, e.g. at pipes and vessels

OPTIEMAT® mobil

OptiEMAT ® mobil is the portable testing device for noncontact ultrasonic inspections (EMAT) at electrically conducting materials and is suitable for various industrial applications.

Tone burst with frequencies in a KHz and MHz range are generated and create various wave modi, like surface waves, lamb waves and shear waves.

The data analysis of **OptiEMAT ® mobil** is done via an integrated computer module.
All probes from our EMAT probe product range can be used.

Technical Data

Channels: 1
Frequency range: 250kHz - 3MHz
PRF: up to 1kHz
Analysis software
10"-Touch-colour display
Dimensions & weight: 30cm x 24cm x 6cm, approx. 1.5kg