

# A1270 EMAT-HT

ELECTRO-MAGNETIC ACOUSTIC THICKNESS GAUGE FOR APPLICATION ON HOT OBJECTS



- **Easy-to-use portable instrument**
- **Couplant-free thickness measurement**
- **Suitable for operation on hot objects up to 800 °C**
- **Applicable with coatings thickness / lift-off of up to 2 mm**



## Specification:

Parameter	Value
Applicable materials	Carbon steel, aluminum
Measuring range	1 – 100 mm
Measurement accuracy	±0.1 mm
Acceptable coating thickness (lift-off)	Up to 2 mm
Operating temperature of the electronic unit	-30°C - +50°C
Operating temperature of the EMAT probe	Up to 800°C*

\* When using MH730 - Rod-Housing Assembly with protective cloths / max measurement time of 2 sec. & cooling down time to the ambient temperature of 2 -3 min

## Rod-housing assembly MH730 for HT applications



## A1270 EMAT in the carrying bag



## EMATs with linear (S7394) and circular (S7394) polarization



## Special features

- Extremely high-temp resistant arselon coating of EMAT for operating on hot surfaces
- Improved measuring capability on curved surfaces
- Customized measuring gates
- Raw data (A-scans) saving
- Thickness profile (B-scan) indication
- USB interface for inspection data transfer

## Delivery set:

 **MADE IN GERMANY**

Name	Quantity, pcs.
A1270 EMAT thickness gauge	1
S7394 EMAT - electromagnetic-acoustic transducer	1
MH730 - Rod-Housing Assembly for HT applications	1
Lemo K2 to Lemo00 adapter	1
Lemo00 to Lemo00 cable 1.8 meter	1
Hard carry case for A1270 & carry bag for MH730	1