

# 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



## 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

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



## 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              |



ACOUSTIC  
CONTROL  
SYSTEMS

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