



## CONDUCTIVITY METER

MLA900 MOBILE MEASURING DEVICE PRODUCT SERIES



The portable measuring device  
for electrical conductivity and  
temperature in light mineral oils

**MLA900**



- + Listed in ASTM D2624
- + Measurement in ATEX Zone 0
- + Clearly arranged measured value display
- + Ready to use immediately
- + Robust metal housing



Easy to clean and robust  
measuring probe



Ready to use immediately by  
opening the protective flap



Protective case included in the  
delivery contents



## CONDUCTIVITY METER

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### MLA900, the measuring instrument for mobile use

The MLA900 is suitable for measurements of the electrical conductivity and temperature of light mineral oils (kerosene) in plants and laboratories. The device shows whether the safety-relevant conductivity value has been reached by adding sufficient additives. Liquids with too low electrical conductivity can become electrostatically charged. If they are combustible liquids, there is a risk of ignition from sparking during electrostatic discharge. Therefore, the conductivity is increased with additives in petroleum products such as kerosene and light mineral oils. The electrostatic charge is discharged to the tank or pipeline wall. The MLA900 is certified for use in the explosive range up to zone 0 and is listed in ASTM D2624 as a measuring instrument.



#### Areas of application:

Light mineral oils such as, for example, kerosene (Jet A-1); rolling oil, hydraulic oil, release agents.

#### TECHNICAL DESCRIPTION

##### Measured values

Measurement range: Conductivity 0...1999pS/m

##### Measurement accuracy

Temperature: -20...+60°C

Tolerances: ±2pS/m (if measured value is less than 100pS/m)

±2% of (if measured value is greater than 100ps/m)

##### Energy supply

Battery: up to 1000 hours of operation

##### Product properties

Housing: Painted sheet metal

Display: Display with protective flap and integrated light sensor for automatic switch-on/off

Probe: Nickle-plated surface

##### Certificates and approvals

Explosion protection: ATEX: II ½ G EEx ia IIB T6

Standardisation: ASTM D2624 (American Society for Testing and Materials)

##### Dimensions and weights

Measuring device with case: Weight: ca. 4.85 kg; 40x33x17 cm (width x depth x height)

Measuring device alone: Weight: ca. 2.4 kg; 29x17x10 cm (width x depth x height)

##### Delivery contents

Measuring device MLA900: Display unit, probe, probe cable (2 m), earthing cable, calibration certificate

Accessories: Case, carrying strap

Probe cable: Optionally also available: 5; 10; 17; 20 and 24 m