



## CONDUCTIVITY METER

MLA900 MOBILE MEASURING DEVICE PRODUCT SERIES



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

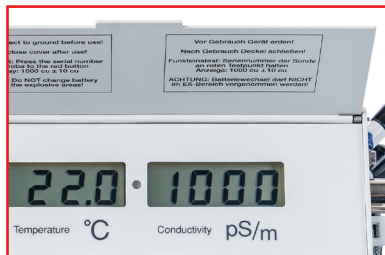
**MLA900**



- + Listed in ASTM D2624
- + Measurement in ATEX Zone 0
- + Clearly arranged measured value display
- + electronic self-test without test fluid
- + Robust metal housing
- + ASTM D2624; IP 274; DEF STAN 91-91;  
ASTM D1655; ISO 6297



Easy to clean and robust  
measuring probe



Integrated display protection cover



Protective case included in the  
delivery contents



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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.



The self-test integrated in the device as standard provides a quick function check of the MLA in comparison with the values from the calibration certificate.

#### Areas of application:

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

#### TECHNICAL DESCRIPTION

##### measuring ranges

Conductivity: 0 ... 1999 pS/m

Temperature: -20 ... +60 °C

##### Measurement accuracy/tolerances

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

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

Temperature: +/- 0,5 °C

##### 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: Nickel-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; 41 x 33 x 18 cm (width x depth x height)

Measuring device alone: Weight: ca. 2.4 kg; 29 x 17 x 10 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 and 24 m