# Resistivity monitor
# LAS


# USER MANUAL

BAMO

LAS is suitable to monitor demineralized water, indicating permanently the resistivity. The alarm sounds each time the resistivity is lower than the pre-set value; it reset only when the resistivity is back to a greater value. The scale 0...2 MΩ is expanded to allow a comfortable reading from 20 to 500 kΩ.cm with centred value at 100 kΩ.cm bringing a safe information. The instrument is convenient for monitoring demineralisation systems anions / cations , without automatic control.

**Associated probes:**
Our probes with cell factor 0.1 are suitable (data-sheet 360-01), however the probe BC 1425/BNC - R ¼" is particularly convenient.

## START UP – Test

1) Fit the probe: the cell must be in water all the time

2) Connect the LAS to power supply and the probe to the monitor input.

3) Alarm adjustment for buzzer and LED
- Open the lid of LAS (4 screws on the housing)
- Let the display visible for further adjustment operations
- Press the push button: trigger point is shown by galvanometer
- Adjust it with the potentiometer on the right at the desired value
- Screw the cover back on the device

Alarm adjustment potentiometer

Push button for trigger point adjustment

Relay output connectors

Fuses, 100 mA

Power supply connectors

Power cord 1.50 m long (included)

**Test:**

- Strap on the coaxial connector of input signal probe to obtain a short circuit
  LAS must display 0; below the set point, the audible and visual alarm must actuate.
- Take off the strap, let free the coaxial connector, display shows over 2 MΩ.
- Connect a resistor of 10 kΩ instead of probe, display must be 100 kΩ (cell factor is 0.1 for LAS).

## TECHNICAL FEATURES

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|---|---|
| Measuring range | 0... 2 MΩ .cm, expanded scale centered on 100 kΩ .cm |
| Alarm | Buzzer and red LED on the front |
| Output | Change over contact |
| Switching power | 5 A, 250 V AC ; 5 A, 30 V DC |
| Housing | ABS – Dim. 80 x 160 x 55 mm |
| Power supply | 230 V AC / 50 Hz |

**EC Conformity: The instrument meets the legal requirements of the current European Directives**