LAS

Resistivity controller

INSTRUCTIONS MANUAL

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Resistivity controller
LAS
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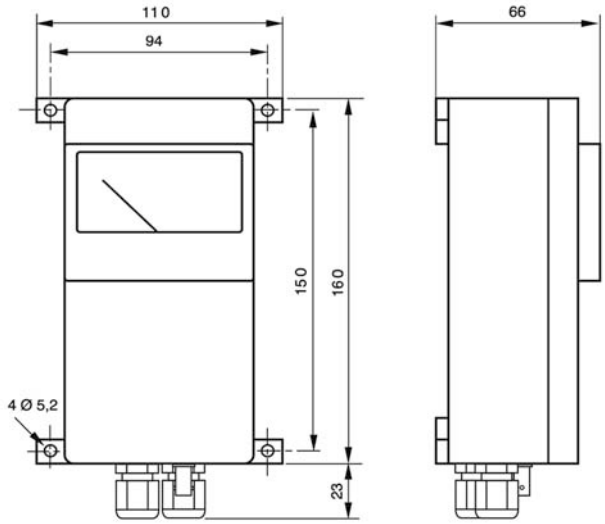
MES
315-02/1

DESCRIPTION

The meter indicates permanently the resistivity value. The alarm sounds each time the resistivity is lower than the pre-set value (to adjust on site). This alarm resets only when the resistivity is back to a correct value. The scale 0...2 MΩ is expanded to allow a comfortable reading from 20 to 500 kΩ with centred value at 100 kΩ. This monitor brings to the operator safe information on the water quality from demineralisation systems where no automation is contemplated.

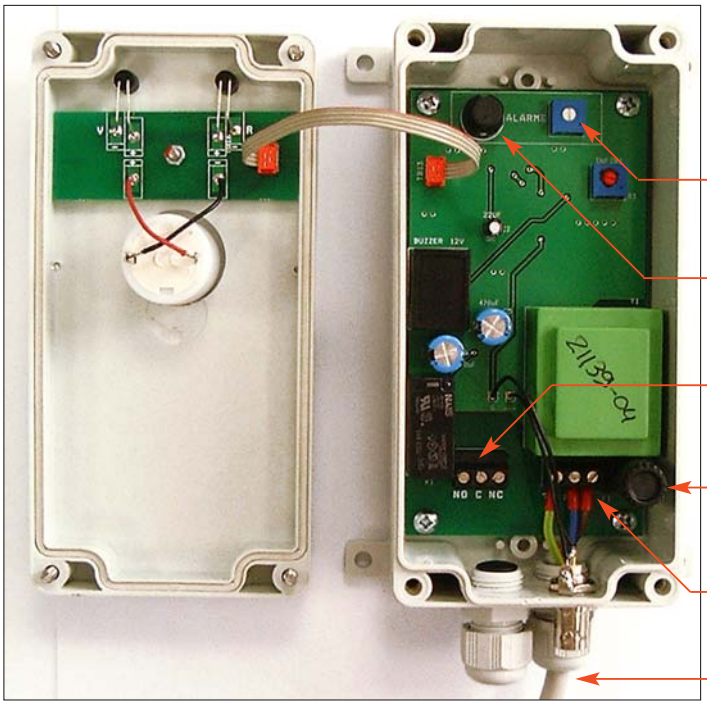
ASSOCIATED PROBES

Any measuring cell with a factor K = 0.1 is useful with the controller LAS. However the probe BC 1425/BNC – R 1/4" is convenient with cable output and 5 m long cable with coaxial connector to fit LAS. Process connection is BSP 1/4".



TECHNICAL FEATURES

Measuring range:	From 0 to 2 MΩ .cm
Measuring scale:	Expanded, non-linear, centred on 100 kΩ
Alarm:	Buzzer and red LED indicator
Output:	Change over contact
Switching power:	5A 250 V AC, 5 A 30 V DC
Housing:	ABS - 80x160x55 mm, wall mounting
Power supply:	230 V / 50 Hz, cable length 1.50 m



Alarm adjusment potentiometer

Trigger point adjusment push-button

Relay output screw connectors

100 mA fuses

Power supply input

Power cord. 1.50 long (included)

START UP

1) – Fit the probe on process line: the cell must be in water all the time (without air bubble).
2) – Connect the power supply; connect the probe cable on the coaxial connector.
3) – Alarm adjustment (for buzzer, red LED indicator and relay output)
– Open the lid of LAS (4 screws on the housing)
– Let the display visible for following adjustment
– Press the push button: trigger point is shown by galvanometer
– Adjust it with the potentiometer up to the desired value
– Close back the lid on the housing

CHECK UP

To test LAS, while instrument is powered:
1) – Strap on the coaxial to obtain a short circuit (no resistivity). Display must be "0"
– Below trigger point, red LED indicator is lighted on and buzzer will sound.
2) – Take off the strap. Let free the coaxial connector (infinite resistivity). Display shows over 2 MΩ.
3) – Connect a resistor of 10 kΩ instead of probe: display must be 100 kΩ (cell factor is 0.1 for LAS).
- Avec une résistance pure de 10 KΩ à la place de la sonde, vous devez afficher 100 KΩ.