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General Mod. 236/519

Cathodic protection T/R unit for buried structures, adjustable continuous constant tension from 0V to 60V, with max. current of 30A. Composed by a power and a regulating group. The first is placed in the main tank and it is completely filled in oil.

The second is placed in a waterproof box in the upper part of the oil tank.

It is possible to regulate the output values by means a potentiometer.

Values are shown on a 1.5 class voltmeter and ammeter.

Two magnetothermic switches are also installed; the first to protect the 220V 50Hz side and the other the D.C. side.

Cooling is natural oil convection.

Technical data

- Input Voltage	230V single phase 50/60Hz
- Max continuous current	30A
- Max output voltage	60V
- Max ripple voltage	2%
- Transformer max power	2,7kVA
- Overall dimensions	890 x 1134 x 465mm
- Litre of oil	127,5 litres

Remote monitoring

T/R Mod. 236/519 is equipped with 4 \pm 20 mA output signal, for data transmission of output Voltage, Current and Potential Difference.

The abacus at page 7) shows the correspondence between instruments values and 4 \pm 20 mA scale. A multipolar terminal board allows connection to remote monitoring cable.

Overvoltage protection

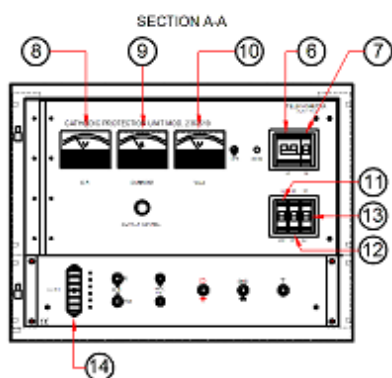
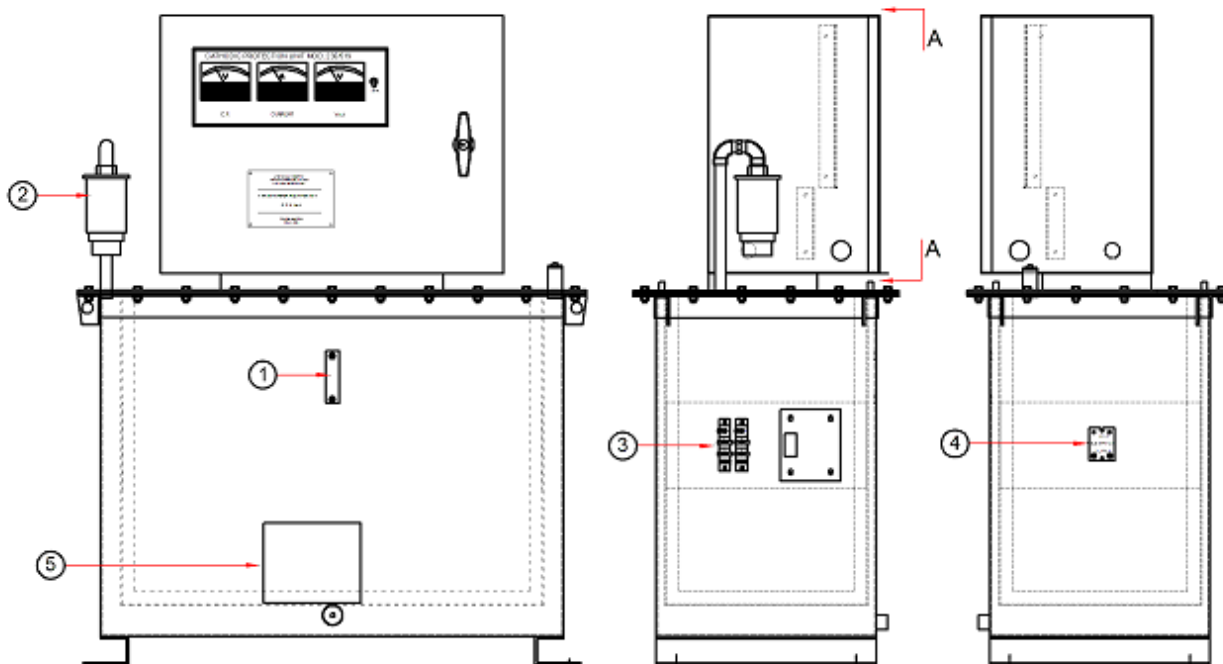
The unit is equipped with over-voltage and over current protections on the AC 230V, DC 60V and DP 24V circuits.

If one protection is out of order a red signal is present on the warning window.

In this case the device must be replaced as soon as possible to avoid damages to the T/R.

For the protection of the rectifier bridge, varistors are placed on the back panel of the cabinet.

Control and replace if necessary.



N°	DESCRIPTION
1	Oil level gauge
2	Silicagel glass container
3	Power modules
4	Tyristor unit
5	Single phase transformer
6	Bipolar Magnetohermic switch
7	Single phase Magnetohermic switch
8	Voltmeter NP2M
9	Ammeter NP2M
10	D.D.P. Voltmeter
11	Input surge protection
12	Output surge protection (main output)
13	Output surge protection (control output)
14	4-20mA Transmitter