CATHODIC PROTECTION

SMC2-Mg
Smart Control Unit

Safely avoid DC interference and telluric effects with the battery-powered intelligent control unit.

Smart Control Unit is a battery operated four terminal device that prevents cathodically protected structures from going beyond the protection potential due to DC interference or telluric effect.

The device electronically adjusts the resistance between Pipe-Earth or Mg Anode-Pipe precisely to keep the Pipe Reference voltage, which it measures via the reference electrode connected to it, at the protection potential desired by the user. In this way, the protection potential is kept under control independently of external factors and interference effects are reduced.

The SMC2-Mg requires no power connection and offers an average service life of 2 years thanks to its long-lasting battery.

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CATHODIC PROTECTION

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Technical Specifications

Operating Voltage	3.6 V Lithium
Operating Temperature	-20, +50C
Continuous DC Current	2A
Analog Input	1 Bipolar
Input Impedance	10MOhm
Anode Type	Magnesium Anode
Pipe - PE Current	2A
Anode - Pipe Current	2A
Surge Protection	500 V
LCD Screen	1x8 Character
Information Displayed on the Screen	Reference Electrode Setpoint, Reference Electrode DC Measurement, Battery Voltage, Offset Value, Gain Value, Ambient Temperature
Reference Electrode Adjustment Range	800-1600mV
Over Temperature Protection	Available
Power Saving Mode	Available
IP Protection	IP65 (protected against dust and splash water)
Case	Aluminum Case
Dimensions (WxLxH)	85 x 168 x 68 mm
Warranty	2 Years (components and workmanship)

* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.

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