

# RTM 1688-2

Geo Station

## Technical Data

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Theory of Operation: High voltage biased chamber with semiconductor detector

Diffusion membrane: Silicon rubber; diameter 67 mm

Sensitivity: 1.8 cpm @ 1000Bq/m<sup>3</sup>

Response time: dependent on the diffusion membrane (min. 15 min)

Sensors: Radon: 0 ... 10 MBq/m<sup>3</sup> (inside the probe)  
Temperature: -20 ... 40°C (inside the probe)  
Humidity: 0 ... 100% (inside the probe)  
Shock: 2g (inside the probe)  
Bar. Pressure: 800 ... 1200mbar (inside the control unit, with hose fitting)

Probe connection: 7-pin receptacle (max. length of cable 10 m)

Sample interval: 1 Minute to 4 hours, adjustable in 1 Minute steps

Memory: 511 records (circular) and Alpha spectrum

Operation: Single button (lock-function)  
Display: with back light (3 lines x 16 characters)

Interface: RS232 for set-up/data transfer  
(accepts USB adapter or modem)

Probe Housing made from stainless steel and Acetal; 128 mm,  
(without receptacle) x 79 mm (diameter); Weight 650 g;  
Water tight up to 1 m

Control unit powder-coated Aluminium enclosure (IP66),  
230 x 280 x 111 mm (W x H x D); Weight 5 kg (incl. battery)

Power supply Internal (12V/12Ah) or external battery, additional  
connector for mains power adapter or solar panel

Distribuito in Italia da:



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