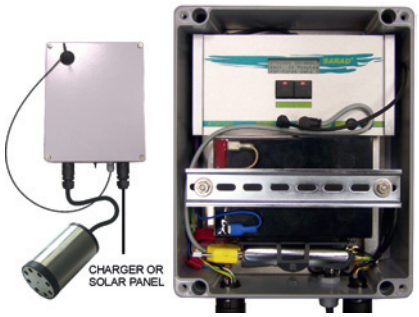
RTM 1688-2

Geo Station

Technical Data



Theory of Operation:	High voltage biased chamber with semiconductor detector	
Diffusion membrane:	Silicon rubber; diameter 67 mm	
Sensitivity:	1.8 cpm @ 1000Bq/m³	
Response time:	dependent on the diffusion membrane (min. 15 min)	
Sensors:	Radon:	0 ... 10 MBq/m³ (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	