

The smartguard SG4-4 - 20 is a remote monitoring device featuring 2 analogue and 2 digital inputs. The SG420 provides power to the loop. Sensors may be 2 or 3 wire

Reading data is collected wirelessly using the mobile phone network and may be viewed and downloaded from a browser or via an API.

Long battery life and zero maintenance are key features of the design. Uncased OEM versions are

Type	SG4C
<b>Analogue Inputs</b>	
Loop Voltage	Xx to xxV DC.
Delay before reading	Power on to read 10 seconds
Accuracy	23bit resolution xxx resistor ===== ??????
Range	0 to 20 mA
<b>Digital Inputs</b>	
	For use with volt free contacts
<b>Data</b>	
Memory	SG4 retains last five readings. Internet service retains all data.
Logging rate	Reading data is transmitted to the internet service on a variable period from 1 hour to 99hours. Typical is once every 24 hours.
Sample Rate	Readings are checked every 3 minutes to detect changes.
Alarms	Fast drop and rise
<b>Connectivity</b>	
Antenna	Internal, external option for very low signal areas.
Frequencies	GSM/GPRS/3G options
Network operator(s)	The smartguard supplied SIM and service allows all operators to be roamed at once ensuring maximum coverage – even worldwide.
<b>SG4</b>	
Power	A replaceable spiral wound lithium battery. 5 to 10 years life in normal operation (1 transmission a day) or mains PSU.
Ambient Temperature	-20°C to +85°C
Size	65 x 80 x 80mm
Ingress Protection	IP65
Colour	Black
<b>Options</b>	
Mains power source	SG4-4-20-M
GPS	Add - G. example SG4-4-20-G
Engine run detection	Add - V. example SG4-4-20-V
Extension cable 0.5 M	SMA extension antenna cable SMAE-050

Extension cable 3 M	SMA extension antenna cable SMAE-300
Wall/mast mount antenna	High gain antenna with 5M cable EXTGSM-024A