RockBLOCK Logger is a micro data logger built for remote sensor capture in harsh, off-grid environments. Housed in a rugged IP68 shell, it offers two dry-contact digital inputs, one configurable 0–10V/4–20mA analogue channel, and both BLE- and Cloudloop-based configuration. It runs directly from 8–32VDC (solar-or battery-backed) and sips as little as 380mW (SBD version) at hourly reporting intervals - perfect for long-term environmental monitoring where every milliwatt counts.

Select the connectivity that fits your mission: real-time Iridium SBD for instant data delivery, or NTN NB-IoT for low-power, low-cost bulk reporting. Either way, RockBLOCK Logger brings global satellite reach to applications like water level logging, soil moisture sensing, or industrial telemetry - no site visits required and seamless data flow via Ground Control's Cloudloop platform.

Key Features

Connectivity	Iridium SBD or NTN NB-IoT
Sensor Modes	Analog or Digital
Cloud Access	Cloudloop Data + Insights
Power	Battery, solar, or external power
Send Frequency	Configurable (10 sec to multi-hour)
Form Factor	Compact, rugged, encased

Real-time Connectivity
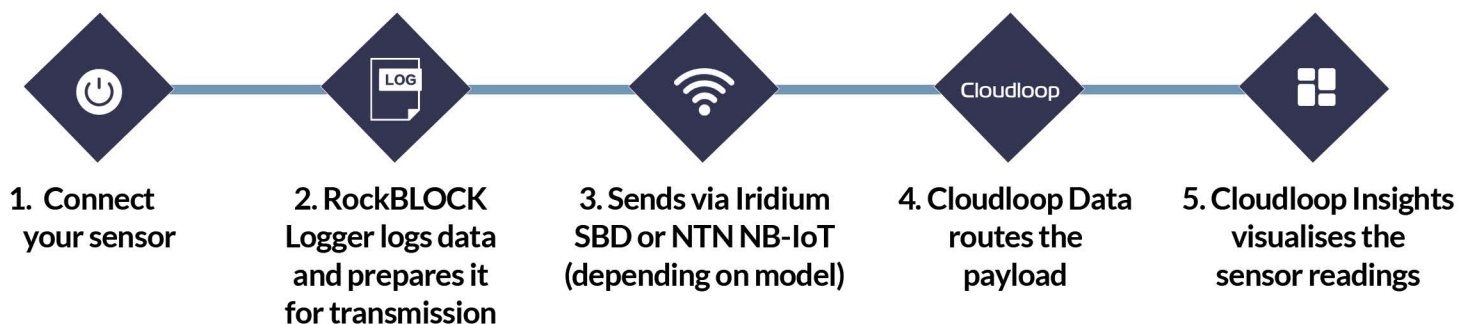
Solar/Battery Power

Cloud Storage

Sensor Logging

Actionable Insight

Ground Control

USA
+1 800 773 7168

UK
+44 (0) 1452 751 940

www.groundcontrol.com
hello@groundcontrol.com

How it works

1. **Connect your sensor**
2. **RockBLOCK Logger logs data and prepares it for transmission**
3. **Sends via Iridium SBD or NTN NB-IoT (depending on model)**
4. **Cloudloop Data routes the payload**
5. **Cloudloop Insights visualises the sensor readings**

Cloudloop supports routing to AWS, custom endpoints, or your own app via REST API.

RockBLOCK Logger

Technical Information

Parameter	Specification
Inputs	4 x analog/digital (configurable)
Interface	RS-232 / UART serial, GPIO header
Enclosure	Rugged, sealed IP-68
Cloudloop Services	Data routing, dashboard, API access
Dimensions	137mm diameter x 40mm depth

Use Cases

- Pipeline valve state monitoring
- Off-grid temperature, voltage, or flow sensing
- Environmental compliance data collection
- Smart agriculture and tank level monitoring
- Emergency or tamper switch alerting

Ground Control

USA
+1 800 773 7168

UK
+44 (0) 1452 751 940

www.groundcontrol.com
hello@groundcontrol.com