



Description

The Standalone datalogger is useful to connect remotely deployed flow meters, level sensors and pressure sensors to HES on cloud for remote monitoring even in the absence of power source.

It features interfaces like MODBUS on RS485, Reed Pulse Input, MBus and Zenner NDC. It offers connectivity options with head end system through 4G(LTE) with fallback 2G or NBIoT.

The datalogger can be configured by using a mobile app through Bluetooth connectivity. The datalogger adapts to protocols such as MQTT, HTTP, TCP & CoAP/UDP.

Model	Interfaces	Technology	Region
SLOG-2/4G-PNM-1	RS485 x 1 UART x 1 Pulse x 1	4G + 2G	Global
SLOG-NB -PNM-1	RS485 x 1 UART x 1 Pulse x 1	NB IoT	Global
SLOG-2/4G-PMM-1	RS485 x 1 MBus x 1 Pulse x 1	4G + 2G	Global
SLOG-NB-PMM-1	RS485 x 1 MBus x 1 Pulse x 1	NB IoT	Global

Configurable and manageable on **HyperIO** platform & Compatible with **DropWise** water metering platform from SALIEABS.



Standalone Datalogger

Battery Powered Logger

SLOG Series

Technical Specifications

Processor	:	32 Bit, 80 MHz ARM
Memory	:	16 MB Flash / 300 KB SRAM
Storage	:	4 MB / Upto 1,00,000 records
Voltage	:	3.6 V DC (Li-SOCI2 Battery) Upto 3 Nos x 19 Ah Battery
Timekeeping	:	RTC with NTP Synchronisation
Connectivity	:	4G with Fallback 2G - Standard NB IoT - Optional
Cellular Modem	:	2G/LTE: Make – SIMCOM, Model - A7672G, TAC No: 86495006 NB IoT: Make – SIMCOM, Model – SIM7022, TAC No: 86495006
Standards	:	GSM, GPRS, EDGE, LTE & LTE-NB.
Freq. Bands	:	4G/LTE Tx: 1850 – 1910 MHz, Rx: 1930 – 1990 MHz Tx: 2500 – 2570 MHz, Rx: 2620 – 2690 MHz 2G Tx: 824 – 849 MHz, Rx: 869 – 894 MHz Tx: 1850 – 1910 MHz, Rx: 1930 – 1990 MHz LTE-NB Tx: 663–2570 MHz, Rx: 617 – 2690 MHz
Modulation	:	GMSK, 8PSK, QPSK, 16QAM, 64-QAM, BPSK (in NB IoT)
Power	:	0.2W (Max) at 2600 MHz, 2W (max) at 900 MHz & 1W (max) at 1900 MHz.
Radio BLE	:	2.4 GHz. IEEE 802.15.4 (2.400–2.4835 GHz) Module: HMBT-4502
Interfaces	:	MODBUS RS485 – Max 5 Slaves Pulse - Max 256 Hz UART - Zenner NDC/NFC Wired MBus – Max 1 Slave
Protocols	:	MQTT, HTTP & TCP/IP.
Antenna	:	External or Internal Antenna
Standby	:	Up To 6 Yrs Per Battery
Configurable	:	Ping Intervals, Log Intervals, APN, Date Time & Server End Points.
Datalogging	:	Online & Offline.
Mounting	:	Wall Mount.
Environment	:	Protection - IP68, Temp - 10 to 60°C

