

MTRLOG PRO

GSM Specifications

Modem	Cinterion (Gemalto) BGS2
Frequency bands	Dual band. GSM 900/1800MHz
GSM Class	Class 4 (+33dBm +-2dB) EGSM900 Class 1 (+30dBm +-2db) GSM1800
SIM	1.8 V/3.0 V E-SIM
Type Approvals	CE MARK

GPS Specifications

General	L1 frequency band, 22tracking/66acquisition-channel
Tracking Acquisition	-165dBm -163dBm (hot start) -148dBm (cold start)
Accuracy	Position: 5m CEP Velocity: 0.1m/s Timing (PPS): 1mS RMS
Acquisition Time	Cold start: 38s Warm start: 35s Hot Start: 1s
Operational Limits	Altitude: Max 18,000m Velocity: Max 515m/s Acceleration: Less than 4g

Accelerometer Specifications

Range	+2g to +-16g
Sensitivity	3.9mg at +-2g range 31.2mg at +-16g range
Bandwidth	0.1 to 3200 HZ

Environmental Specifications

Temperature	Normal Operating: -10 to 40 C Max. Operating: -20 to 55 C
Humidity	5% to 95% RH non-condensing at +40 C

Physical Specifications

Assembly	Injection molded plastic
Size	114mm x 74mm x 30mm
Weight	180g

Electrical Characteristics

Primary Power	Built in Lithium-ion, charge via 12/24/230/240 V micro USB adapter
Battery Life	322 days @ 1 report/day and GPS operational 1 hour/day

Bluetooth Specifications

Type	BLE
Range	Up to 50m
Transmit Power	-20 to +5 dBm
Receiver Sensitivity	-88dBm
Qualification	Bluetooth 4.1, CE