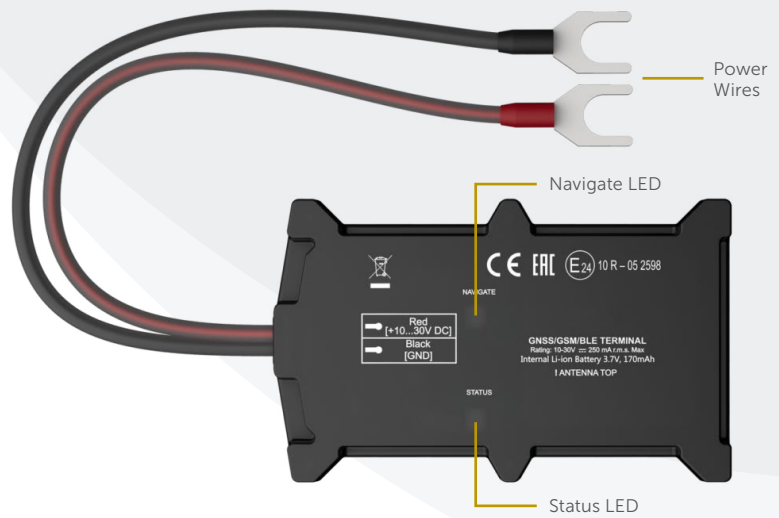


DATASHEET

ER 100

Technical Specification



MODULE	Technology	GSM/GPRS/GNSS/BLUETOOTH
GNSS	GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
	Receiver	33 channel
	Tracking sensitivity	-165 dBm
	Position accuracy	< 2.5 CEP
	Velocity accuracy	< 0.1m/s (within +/- 15% error)
	Hot start	< 1 s
	Warm start	< 25 s
	Cold start	< 35 s
CELLULAR	Technology	GSM
	2G bands	Quad-band 850/900/1800/1900 MHz
	Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
	Data support SMS	(text/data)
INTERFACE	GNSS antenna	Internal High Gain
	Cellular antenna	Internal GSM High Gain
	USB	2.0 Micro-USB
	LED indication	2 status LED lights
	SIM	Micro-SIM
	Memory	128MB internal flash memory
POWER	Input voltage range	10 - 30 V DC with overvoltage protection
	Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)
PHYSICAL SPECIFICATION	Dimensions	92.5 x 57.6 x 14 mm (L x W x H)
	Weight	63 g
OPERATING ENVIRONMENT	Operating temperature (without battery)	-40 °C to +85 °C
	Storage temperature (without battery)	-40 °C to +85 °C
	Operating humidity	5% to 95% non-condensing
	Ingress Protection Rating	IP65
	Battery charge temperature	-0 °C to +45 °C
	Battery discharge temperature	-20 °C to +60 °C
	Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months