

# MTL-1100 ASSET TRACKER

MTL-1100 R 1.0  
Oct. 4, 2018

## Key Features

<b>Enclosure Rating</b>	IP66
<b>Interface</b>	GSM/GPRS, GPS/GNSS
<b>Battery</b>	19000mAh
<b>Type</b>	Non-rechargeable ( <b>Do not charge!</b> )
<b>Uptime</b>	Up to 10 years
<b>Sensors</b>	Temperature Sensor Humidity Sensor G-Sensor $\pm 16G$
<b>Antennas</b>	Internal
<b>Dimension</b>	160 x 89 x 61 mm



## 1 DESCRIPTION

The MTL-1100 asset tracker is ideal for monitoring of individual packages/shipments such as pallets, packages, containers etc. The rugged tracker is equipped with a lithium battery and can operate up to 10 years without the need of external power supply.

The data transmission frequency can be changed with the firmware setting. At a data transmission frequency of 1 x per day, the uptime of the battery is about 10 years.

## 2 SPECIFICATIONS

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
<b>G-Sensor</b>	Measurement range	$\pm 2$	-	$\pm 16$	G
<b>RHACC</b>	Humidity sensor accuracy	-	$\pm 2$	$\pm 4$	%RM
<b>TEMPACC</b>	Temperature sensor accuracy $5^{\circ}C < TA < 60^{\circ}C$	-	$\pm 0.2$	$\pm 0.4$	$^{\circ}C$
<b>TA</b>	Ambient temperature range	-40	-	+85	$^{\circ}C$
<b>GPS/GNSS</b>	Receiver sensitivity	-	-167	-	dBm
<b>ALTITUDE</b>	Maximum altitude	-	18000	-	m
<b>VELOCITY</b>	Maximum velocity	-	515	-	m/s
<b>GPRS Performance</b>					
<b>UPLINK/DOWNLINK</b>		85.6kbps			
<b>QUAD-BAND</b>		850/900/1800/1900 MHz			
<b>TX-POWER</b>		2W @ 850/900MHz 1W @ 1800/1900MHz			
<b>PROTOCOLS</b>					
		MQTT REST-API ASCII			
<b>MTBF</b>		500.000h			

## 3 KEY BENEFITS

- Multi navigation GPS/GLONASS/QZSS
- Cold start <35s
- Powerful AGPS functions
- GSM Quad-Band

## 4 DIMENSIONS

