

## CARACTERISTIQUES TECHNIQUES DE LA BALISE MT 10000



### GENERAL

Communication Modes : Packet data and SMS  
Location Technology : 56 channel GPS

### GPS

Location Technology : GPS; GLONASS and QZSS capable  
Enhancement Technology : SBAS: WAAS, EGNOS, MSAS  
Tracking Sensitivity : -162 dBm  
Acquisition Sensitivity : -148 dBm  
Location Accuracy : 2.0m  
Location Update Rate : Up to 10 Hz  
Anti-jamming  
AGPS / Location assistance capable

### CELLULAR

Data Support : SMS, GPRS, UDP  
Cellular/PCS : FCC - Parts 22, 24; PTCRB, UL, IC  
GPRS : Up to class 10  
Quad-Band : 850/900/1800/1900 MHz  
Output Power : 850 (Class 4) 2W  
                  900 (Class 4) 2W  
                  1800 (Class 1) 1W  
                  1900 (Class 1) 1W  
EHS5 HSPA  
GSM/GPRS/EDGE : Dual band GSM 850/1900MHz  
UMTS/HSPA+ : Dual band UMTS 850/1900MH  
HSPA data rates : 5.76Mbps upload/7.2 Mbps download

### CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

### ENVIRONMENTAL

Temperature : -30° to +75° C  
                  (connection to primary power)  
                  -40° to +85° C (storage)  
Humidity : 95%RH @ 50° C non-condensing  
Shock and Vibration : U.S. Military Standards 202G and 810F,  
SAE J1455  
EMC/EMI : SAE J1113; FCC-Part 15B; Industry Canada  
RoHS Compliant

### ELECTRICAL

Input Voltage : 9-32 VDC (startup, operating)  
                  7-32 VDC (momentary)  
Power Consumption :  
- 2mA @ 12/24VDC (deep sleep)  
- 10mA @ 12/24 VDC (radio-active sleep)  
- 20mA @ 12/24VDC (idle IP connection open)  
- 60mA @ 12/24 VDC (active on standby)  
Back up Battery : Lithium-Ion 10000 mAh, Qi wireless charging

### PHYSICAL

Dimensions : 75 x 56 x 36mm  
Weight : 325g  
2 magnets

### Trois différents cas de consommation testés et constatés :

- En tracking 5 secondes : environ 30 heures de fonctionnement continu pour 22000 positions restituées.
- En tracking 2 minutes : environ 5 semaines d'autonomie pour 2 heures de fonctionnement quotidien.
- En mode sommeil avec 2 points de sécurité par jour : plus d'un an d'autonomie.

