



THE GT1

THE WORLD'S MOST RUGGED
IECEX / ATEX ZONE 0
GPS TRACKING DEVICE



GT1: GLOBAL ASSET TRACKER - RUGGED. REVOLUTIONARY. GLOBAL.

The versatile GT1 tracks assets in locations too challenging for other GPS devices. The GT1's unique rugged metal bezel and hermetically-sealed construction provides durable protection from extreme temperatures, forces and chemicals. The GT1 is not only the world's most rugged device, but also its safest, as it has achieved the highest IECEX/ATEX Zone 0 rating.

TRACK AND TRACE



OFFSHORE CONTAINERS



FRAC TANKS



WELLHEAD EQUIPMENT



TRAILERS



CHEMICAL TOTES



SAND TRAPS



ISO CONTAINERS

AND MORE...

RUGGED

- > ATEX/IECEX-certified for use in Zone 0 hazardous environments
- > Stainless steel bezel with multiple hardened mounting methods
- > Hermetically-sealed construction with IP68 and IP69k protection
- > Tested to the highest stringent product reliability standards
- > Created specifically for the harshest environments

REVOLUTIONARY

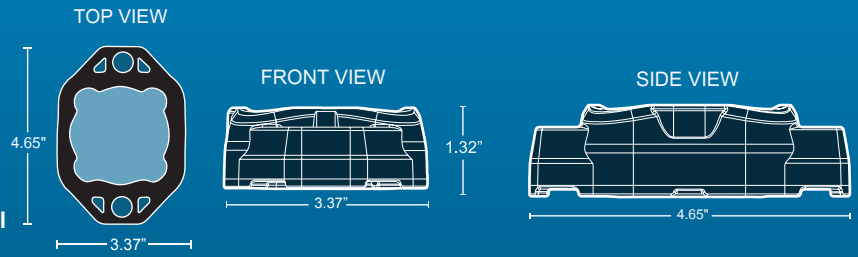
- > Small size for versatile installation
- > Power efficient design for long service life available
- > Requires no user based maintenance
- > Multiple reporting modes available
- > Unique QR coding for mobile scanning of product information

GLOBAL

- > 100% satellite-based communication for visibility in remote locations
- > Fast deployment anywhere with no additional infrastructure
- > Worldwide transmission without complex data roaming agreements
- > Certified to operate in numerous countries

PHYSICAL

Dimensions: **4.65" L x 3.37" W x 1.32" H**
 (118mm x 86mm x 34mm)
 Weight: **1.80 lbs (0.82 kilograms)**
 Housing: **Metallic**
 Protection: **Outdoor Rated Plastic with Heavy Duty Stainless Steel Mounting Bezel**



REPORTING MODES & OPTIONS

- Scheduled / Interval Reporting
- Time Interval Based Reporting
- Vibration Based Motion Reporting
- GPS Based Motion Reporting

DEVICE ID/INTERFACES

- 1D Bar Code - Unique ESN ID
- QR Code - Unique ID, Device URL
- Bluetooth Beacon ID for Mobile Field Tools



ENVIRONMENTAL STANDARDS

Operating Temperature: **-40°F to 185°F (-40°C to 85°C)**
 Storage Temperature: **90°F (32°C) MAX** for best results
 Ingress Protection: **IP68 per IEC 60529 to 160ft (50 meters) / IP69K per DIN 40050-9**
 Immersion: **MIL-STD-810G: 512.5 to 160ft (50 meters)**
 Salt Fog Exposure: **MIL-STD-810G:509.5, to 1000 hours**
 Acidic Atmosphere Exposure: **ASTM D543-95, MIL-STD-810G: 518.2**
 Operational Vibration: **MIL-STD-810G: 514.7, to 7.5 Grms Random (5Hz – 2000Hz)**
 Mechanical Shock: **MIL-STD-810G: 516.7 to 300Gpk**
 Reliability: **IPC9592a**
 RoHS2/WEEE
Additional qualifications apply but are not listed

CERTIFICATIONS



ATEX: EN 60079-0
 60079-11, CE0359 II
 1 G Ex ia IIC T4 Ga
 -40°C ≤ Ta ≤ 64°C, IP68

IECEx: IEC 60079-0,60079-11
 Ex ia IIC T4 Ga
 -40°C ≤ Ta ≤ 64°C

OSHA Hazardous Location Classification:
 Class I: Division 1 Gas Groups A-D T4
 Class I: Zone 0 | AEx ia IIC T4 Ga

USA Hazardous Location Safety:
 UL 60079-0, UL 60079-11, UL 913

Canada Hazardous Location Safety:
 CSA 22.2 No. 60079-0,11, No. 157-92

FCC Part 15/25 Industry Canada, Rss210/ECES-003,
 CE R&TTE Directive 1999/5/EC (EU/ETSI), Brazil
 ANATEL, AUS/NZ RCM-CISPE22

SATELLITE NETWORK

Protocol: **Globalstar Simplex**
 Frequency: **1611.25 MHz to 1618.75 MHz**
 Max Transmit Power: **23 dBm EIRP (200 milliwatts)**
 Max Transmit Time: **1500 milliseconds**

BATTERY LIFE

Configuration	Estimated Range
1 transmit per 3 days	6 to 9 years
1 transmit per day	5 to 8 years
2 transmits per day	3 to 6 years
4 transmits per day	2 to 4 years
6 transmits per day	1.5 to 2.5 years

Service life will vary based on operating conditions