



# GT1s

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



## GT1s: GLOBAL ASSET TRACKER - RUGGED. REVOLUTIONARY. GLOBAL.

The versatile GT1s tracks assets in locations too challenging for other GPS devices. The device's unique rugged metal bezel and fully-encapsulated construction provides durable protection from extreme environments, forces and chemicals. The GT1s is not only the world's most rugged device, but it is also available with the highest IECEX/ATEX Zone 0 intrinsic safety rating. A non-intrinsically safe version of this device is also available.

### ASSETS TRACKED



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
- Optional stainless steel and plastic mounting bezels available separately with multiple hardened mounting methods
- Tested to the most stringent product reliability standards
- Fully-encapsulated construction with IP68 and IP69k protection
- Created specifically for the harshest environments

### REVOLUTIONARY

- Small size for versatile installation
- Power efficient design for long service life
- Maintenance-free device
- Multiple reporting modes available (interval, scheduled & motion)
- Configure in the field over bluetooth with our mobile app

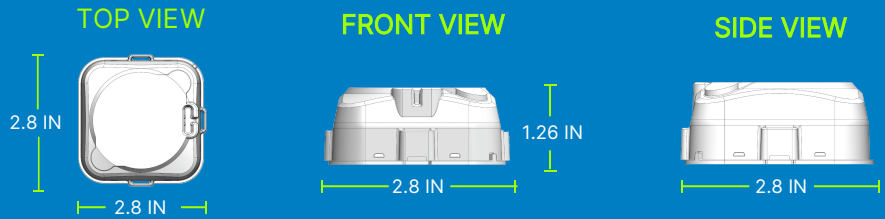
### GLOBAL

- 100% satellite-based communication for visibility in remote locations
- Fast deployment anywhere with no additional infrastructure
- No complex data network roaming agreements required
- Approved to operate in many countries around the world



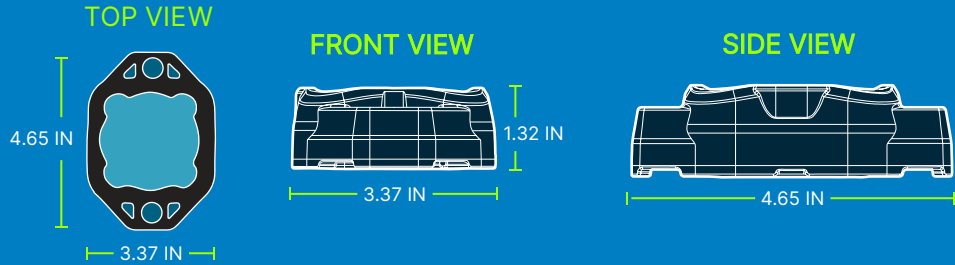
## BASE UNIT

Dimensions:  
2.8" L x 2.8" W x 1.26" H  
(71mm x 71mm x 32mm)  
Weight: 0.44 lbs (0.20 kilograms)



## BASE UNIT WITH STAINLESS STEEL BEZEL

Dimensions:  
4.65" L x 3.37" W x 1.32" H  
(118mm x 86mm x 34mm)  
Weight: 1.80 lbs (0.82 kilograms)



## 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

## SATELLITE NETWORK



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

## BATTERY LIFE

Transmit Frequency:	Estimated Range:
1 transmit per day	8 to 10 years
2 transmits per day	5 to 8 years
4 transmits per day	2.5 to 4.5 years
6 transmits per day	2 to 3 years
12 transmits per day	1.5 to 2 years
24 transmits per day	1 to 1.5 years

Service life will vary based on operating conditions

## CERTIFICATIONS



NOTE: ATEX/IECEx ratings apply only to the intrinsically safe version of the device.

ATEX: EN 60079-0, 60079-11  
CE 2903 EX II 1 G Ex ia IIC T4 Ga  
-40°C ≤ Ta ≤ 65°C, IP68  
IECEx: IEC 60079-0, 60079-11 Ex ia IIC T4 Ga  
-40°C ≤ Ta ≤ 65°C

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

International Hazardous Locations Safety:  
IECEx IEC 60079-0,11

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

Canada Hazardous Location Safety:  
CSA C22.2 No. 60079-0,11

European Union Hazardous Locations Safety:  
ATEX Directive 2014/34/EU

Brazil Hazardous Locations Safety:  
INMETRO ABNT NBR IEC 60079-0,11

Wireless Certifications:

FCC Part 15/25  
Industry Canada RSS-247/RSS-170  
EU CE RED Directive 2014/53/EU  
Brazil ANATEL  
Australia/New Zealand RCM

## DEVICE IDs/INTERFACES

2D Barcode - Unique ESN ID  
Bluetooth Beacon ID for Mobile Field Tools

