



THE BULLDOG

mini



Small, light, tough and powerful!

This little cable-free watertight tracker is small and lightweight (smaller than 2 packets of cigarettes), but it can track objects for 2 to 3 years on the same battery, or transmit its position 1000 times or transmit several positions per day for months!

Know where your goods, containers, trucks or any other mobile assets are, anytime, anywhere in the world - whatever the conditions.

The **BULLDOG mini**: an unbeatable battery:

- Up to **3 years** - with 1 position per day
- **or several months** in case of several transmissions per day (e.g. : 7 months at 4 positions/day)
- and it's the user who changes the battery

or there is a **rechargeable version** - by induction.



Designed for:

- IBCs, ULDs, pallets, crates, boxes,
- containers, tanktainers,
- wagons,
- swapbodies,
- trucks, trailers,
- mobile-homes, caravans
- boats, yachts
- construction site material, agricultural machinery, municipal council equipment

Main advantages:

- ✓ Comprehensive remote management platform
- ✓ Batteries
 - changeable by user
 - or chargeable by induction plate
- ✓ Integrated motion and temperature sensors
- ✓ Robust & water tight IP 68
- ✓ Fully autonomous, no other power required (no ignition, no vehicle battery cable, no cigar-lighter, no cables etc.)
- ✓ Easy installation - with magnets, screws or Velcro
- ✓ No maintenance
- ✓ Geo-fencing = email or text alert on smartphone via email or sms
- ✓ World coverage
- ✓ **Satellite version** for remote and/or hazardous/explosive tracking
see over: **Bulldog Mini Sat** →



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Technical data:

- Size: 11 x 7 x 2 cms
- Weight: 105 g + battery
 - Watertight IP X7
 - Smartphone compatible
- Integrated motion & temperature sensors
 - Lithium battery 3000 mAh,
- Rechargeable battery by induction (option with plate)
 - GPS & cell-ID tracking
 - Integrated antennae
- Protocols: GPRS multi slot class 10 and mobile station class 8
 - Frequencies: Quadband

Operating Temperatures & Certificates:

- Operating temperatures: from -20°C to +60°C.
 - Made in Germany, EC Certified

Options:

- Attachable magnets
- Induction charger



+ *Satellite version....*

Bulldog Mini Sat:

- **Satellite communications : GlobalStar network**
- Not dependent on terrestrial networks
- Designed for hazardous/explosive tracking: ATEX zone 1
- Compact: 15.9 x 8.6 x 3.6 cms; weighing only 909g including batteries
- Hermetically sealed in water- & chemical-resistant metallic case IP69K, plastics flame resistant and leak-proof
- Primary cell batteries: stand-time 4 - 6 years at 2 positions per day
- Batteries changeable by user (6 AA)
- Maximum Environmental standards:
 - Operating temperature: -40°C to +85°C; Storage temperature -58°C to + 85°C
 - MIL-STD-810G: humidity 507.5, immersion 512.5, solar radiation exposure 505.5, salt fog exposure 509.5 (500 hours), acidic atmosphere exposure 518, icing/freezing rain 521.3, vibration & temperature 514.6, shock 516.5 & 516.6.
- Maximum safety certifications: ATEX, IECEx, OSHA, USA & Canada Intrinsic safety, FCC Part 15, CE, R&TTE Directive 1999/5/EC, Brazil ANATEL, AUS/NZ C-tik, etc. .