

BlueTraker[®]



BlueTraker A in-port tracking device

VESSEL TRACKING



EMA GROUP
Teharje 7b
3000 Celje, EU
www.bluetraker.com

FUNCTIONALITIES



30 days autonomy



Dynamic reporting



Embedded Geozones



No installation / magnetic fix



Bidirectional communication



BlueTraker can have over 500 geo-zones stored in device memory.

Geozone violation reported in max. 30 s.



5 min reporting interval when in motion.



Magnetic attachment outside on the deck.



User can easily send commands to device from the office.



Fully charged in 6 hours with iCS (Intelligent Charging Station) and up to 12 devices simultaneously.



Portable with integrated handle.

Technical Specification



sales@bluetraker.com

Physical

| | |
|----------------------------|---|
| External dimensions | 198 mm (width) x 198 mm (length) x 67 mm (height) |
| Weight | 1140 g (including one back-up battery) |
| Housing | Double shell housing, light colour outer shell, resistant to UV solar radiation |

Environmental

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|-------------------------------|---|
| Operating temperature | -40°C to +60°C |
| Humidity | 10% a 100% Relative Humidity including condensation |
| Dust and water ingress | IP68 protection class (depth 6m, duration 30 min.) |
| Vibration | IEC 60945:2002, 5Hz - 13.2 Hz sweep sine, displacement 0.001m, sweep rate 0.5 oct/min; 13.2 - 100Hz sweep sine, acceleration amplitude 7m/s ² , sweep rate 0.5 oct/min |

Electrical

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| Back-up battery | LiPoly battery (from 1000 mAh up to 8400mAh) |
| Autonomy with back-up battery | up to 30 days |

GSM / GPRS data communication

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|---------------------------|--|
| Supported bands | Quad Band 850/900/1800/1900 MHz |
| SIM card | Global SIM, supplied with the terminal |
| Data features GPRS | Embedded TCP / IP and UDP / IP protocol stack Embedded FTP SSL – Secure Connection |

| | |
|--------------------|------------|
| Antenna GSM | Integrated |
|--------------------|------------|

GPS/GLONASS positioning receiver

| | |
|---------------------|--|
| Channels | 33 tracking, 99 acquisition |
| Acquisition: | Cold start 28 s, Hot start <1 s, sensitivity -167 dBm @ tracking |
| Accuracy: | 5 m CEP |
| Antenna | Integrated patch antenna |