

TotalFinder ATEX

TF 200

ENCASED ATEX CERTIFIED HEAVY DUTY GPS MONITORING AND TRACKING UNIT WITH AN UNPRECEDENTED BATTERY LIFE

USAGE AND CHARACTERISTICS

- » Tracking at preselected time interval
- » Monitoring of speed, acceleration, vibration and tilting
- » G-shock event reporting
- » ATEX and IECEx certification
- » Metallic plate holder for rivet installation
- » Battery life up to 10 years (2 positions a day)

MEASURES AND TRANSMITS

- » Exact position of GNSS satellite system
- » GSM cell ID and strength of GSM signal
- » Speed and direction of movement
- » Tilting - removal detection
- » Battery voltage and status
- » G-shock event reporting



TYPES AVAILABLE*

TYPE	GSM	BATTERY
TF 200 206	2G	68 000 mAh - primary
TF 200 006	4G IoT / 2G	68 000 mAh - primary

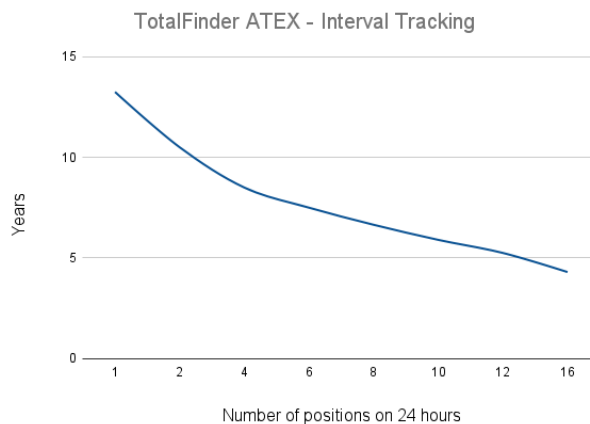
*for customized solutions please feel free to contact us

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TECHNICAL PARAMETERS

GSM CONNECTIVITY	version 2G	850/900/1800/1900 MHz	
	version 4G NB-IoT/Cat M1	B1@2100MHz, B3@1800MHz, B8@900MHz, B5@850MHz, B20@800MHz, B28@700 MHz	
	SIM	embedded SIM Chip	
	Types of communication	GPRS	
	GPRS internet connectivity	Class 12/ static & dynamic IP VPN, UDP protocol / 128bit security encryption key / FW upgrade, configuration settings, on-line value reading, report memory reading, control	
GNSS	GPS, Glonass, Beidou	33 tracking channels, 99 acquisition channels, 210 PRN channels	
ANTENNAS	GPS, GSM	Internal	
BATTERIES	Type and capacity	LiSOCl ₂ (primary) 68 000 mAh @3,6V	
CONSUMPTION	Standby	4 mAh / day	
	Trackpoint + data sending	1,5 mAh / each position	
SENSORS	3 dimensional G sensor	Movement detection / tilt detection / G-shock	
INTERNAL MEMORY	Flash 512 kB	Capacity 5000 events or positions	
DIMENSIONS mm	Encased device	189 x 88 x 48 mm	
	Metallic holder	Length 229.78 / Width 88, Distance of holes 218 / 55, hole diameter 6.5	
TEMPERATURE RANGE	-35 °C up to +75 °C		
PROTECTION CLASS	IP69	Waterproof	
WEIGHT	With batteries	1 200 g	
STANDARDS	EMC	EN 50121-3-2 ed.4 EN 61000-6-4:2007+A1:2011 EN 55032:2015 EN 55024:2010	
	LVD	EN 62368-1:2014+A11:2017	
	Climatic testing	EN 50155 EN 60068-2-2 EN 60068-2-1 ed.2 EN 60068-2-30 ed. 2	
	Shock and vibration	EN 61373 ed. 2	
	IP code	EN 60529	
	ATEX	EN IEC 60079-0:2018, EN 60079-11:2012	
		⊕ II 2G Ex ib IIB T4 Gb	⊕ II 2D Ex ib IIIC T135°C Db
	IECEX	IEC 60079-0:2017, IEC 60079-11:2011	
Ex ib IIB T4 Gb		Ex ib IIIC T135°C Db	

BATTERY LIFE



Expected conditions: > GPS and GSM signals have no significant obstacles
> Temperature in range from 15°C up to 25°C



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