

# TF 200

# TotalFinder ATEX

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

## USAGE AND CHARACTERISTICS

- » Tracking at preselected time interval
- » Monitoring of temperature, acceleration, vibration and tilting
- » G-shock event reporting
- » Bluetooth 5.0 long range for external sensors (optionally)
- » Metallic plate holder for rivet installation
- » Battery life up to 12 years (6 positions a day)
- » NB IoT and Cat M1 connectivity (optionally)



## MEASURES AND TRANSMITS

- » Exact position of GNSS satellite system
- » GSM cell ID and strength of GSM signal
- » Speed and direction of movement
- » Temperature
- » Tilting - removal detection
- » Battery voltage and status
- » G-shock event reporting
- » Up to 100 values of external long range BT 5.0 sensors

## TYPES AVAILABLE

TYPE	GSM	BATTERY	LONG RANGE RECEIVER
TF 200 206	2G	68 000 mAh	-
TF 202 206	2G	68 000 mAh	Bluetooth 5.0
TF 200 006	2G/4G NB-IoT/Cat M1	68 000 mAh	-
TF 202 006	2G/4G NB-IoT/Cat M1	68 000 mAh	Bluetooth 5.0

\*for customized solutions please feel free to contact us

## ACCESSORIES

BS 010 390	BT temperature sensor
BS 020 130	BT robust temperature sensor
BS 030 380	BT access card
BS 040 540	BT door sensor
MD TF2 001	Metallic plate holder for rivet installation

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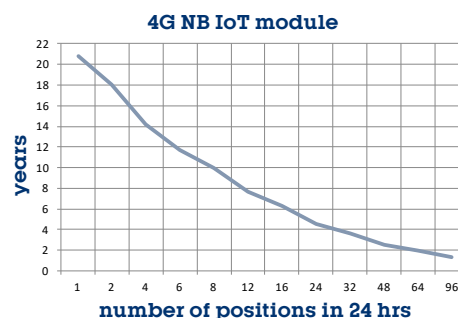
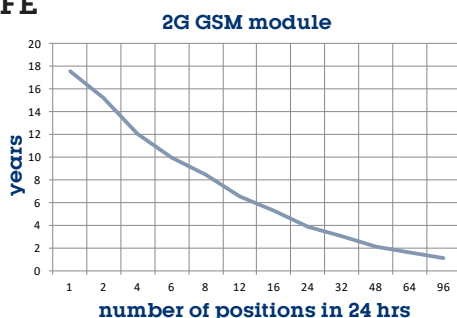
HEAVY DUTY GPS MONITORING AND TRACKING UNIT WITH AN UNPRECEDENTED BATTERY LIFE

## TECHNICAL PARAMETERS

<b>GSM CONNECTIVITY</b>	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	
	version 4G LTE Cat M1 / NB-IoT/ EGPRS	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B39 - for Cat M1 only @LTE 850/900/1800/1900 @EGPRS	
	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	
<b>GNSS</b>	GPS, Glonass, Beidou	33 tracking channels, 99 acquisition channels, 210 PRN channels	
<b>ANTENNAS</b>	GPS, GSM, BT 5.0*	Internal	
<b>BATTERIES</b>	Type and capacity	68 000 mAh   @3,6V	
<b>CONSUMPTION</b>	Standby	4 mAh / day	
	Trackpoint + data sending	1 mAh / each position	
<b>WIRELESS EXTERNAL SENSOR INTERFACE</b>	Bluetooth 5.0 long range	Range up to 250m in free space, 30m in buildings	Connection up to 100 sensors
<b>SENSORS</b>	3 dimensional G sensor	Movement detection / tilt detection / vibration histogram / G-shock	
	Other sensors	Temperature	
<b>INTERNAL MEMORY</b>	Flash 512 kB	Capacity 5000 events or positions	
<b>DIMENSIONS</b>	Plastic box	189 x 88 x 48 mm	
<b>TEMPERATURE RANGE</b>	-35 °C up to +75 °C		
<b>PROTECTION CLASS</b>	IP67	Waterproof	
<b>WEIGHT</b>	With batteries	1 200 g	
<b>STANDARDS</b>	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	EX II 2 GD Ex ib IIB T4 Gb	Ex ib IIIC T135°C Dd

\*optional

## BATTERY LIFE



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08/02/21