

# TF2

# TotalFinder Industrial

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 sensor (optionally)
- » Easy installation
- » Metallic plate holder for installation by rivets
- » 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
- » Vibration histogram
- » Temperature, acceleration, tilting
- » 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 180 207	2G	4 x 19 Ah	-
TF 182 207	2G	4 x 19 Ah	Bluetooth 5.0
TF 180 307	4G NB IoT	4 x 19 Ah	-
TF 182 307	4G NB IoT	4 x 19 Ah	Bluetooth 5.0

\*for customized solutions please feel free to contact us

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## TECHNICAL PARAMETERS

<b>GSM CONNECTIVITY</b>	version 2G	850/900/1800/1900 MHz
	version 4G LTE Cat NB IoT	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	Calling , SMS, GSM Data, GPRS
	Calls	Alarm call
	SMS	Alarm & Info SMS, SMS commands, requests, SMS configuration
	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	4x 19Ah @3,6V
<b>CONSUMPTION</b>	Standby	4 mAh / each position
	Trackpoint + data sending	1 mAh / each position
<b>WIRELESS EXTERNAL SENSOR INTERFACE</b>	Bluetooth 5.0 long range	Range up to 500m in free space, 30m in buildings
<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 +85 °C
<b>PROTECTION CLASS</b>	IP69	Waterproof
<b>WEIGHT</b>	With batteries	1 200 g



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