

# TotalFinder ISX

HEAVY DUTY INDUSTRIAL ATEX GPS TRACKING UNIT WITH **SOLAR CHARGING AND ATEX | IECEX CERTIFICATION**

## USAGE AND CHARACTERISTICS

- » Tracking at preselected time interval
- » Monitoring of speed, acceleration, vibration and tilting
- » G-shock event reporting
- » Solar charging
- » Installation by metallic plate holder
- » 4G LTE Cat1 | 2G

## MEASURES AND TRANSMITS

- » Exact position via GNSS satellite system
- » GSM cell ID and strength of GSM signal
- » Direction of movement
- » Acceleration, tilting
- » Tilting - removal detection
- » Temperature
- » Battery voltage and status
- » G-shock event reporting
- » Possibility to connect Bluetooth® sensors





## TYPES AVAILABLE\*

TYPE	GSM	BLUETOOTH	BATTERY
<b>TFI 473 401</b>	4G LTE Cat1   2G	Bluetooth 5.0	5,6 Ah
<b>TFI 473 402</b>	4G LTE Cat1   2G	Bluetooth 5.0	11,2 Ah

\*for customized solutions please feel free to contact us

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## TECHNICAL PARAMETERS

<b>GSM</b>	4G LTE Cat1   2G	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28/B39		
	SIM	Chip SIM		
		Nano SIM		
	Types of communication	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, Galileo	60 tracking channels, 99 acquisition channels, 210 PRN channels		
<b>ANTENNAS</b>	GPS, GSM, Bluetooth	Internal		
<b>BATTERIES</b>	Type and capacity	Li-Ion   5,6 Ah   11,2 Ah		
<b>CONSUMPTION</b>	Standby	4 mAh / day		
	Trackpoint + data sending	1 mAh / each position		
	Solar panel gain	5-200 mA according to light intensity		
<b>SENSORS</b>	3 dimensional G sensor	Movement detection / Tilt detection / G-shock / Temperature		
	Possibility to connect Bluetooth sensors			
<b>INTERNAL MEMORY</b>	Flash 512 kB	Capacity 5000 events or positions		
<b>DIMENSIONS</b>	With metallic plate holder	260.5 x 100 x 45 mm		
	Metallic holder & mounting	Length 260.5 mm / Width 100 mm Distance of mounting holes 246 mm, Hole diameter 6 mm		
<b>TEMPERATURE RANGE</b>	-35 °C up to +60 °C			
<b>PROTECTION CLASS</b>	IP69	Waterresist		
<b>WEIGHT</b>	With batteries	720 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	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		



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