

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 IoT | 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
TFI 472 00x	4G IoT 2G	Bluetooth 5.0	5,6 Ah
TFI 470 00x	4G IoT 2G	-	5,6 Ah

*for customized solutions please feel free to contact us

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TECHNICAL PARAMETERS

GSM CONNECTIVITY	version 4G NB-IoT/Cat M1	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		
GNSS	GPS, Glonass, BeiDou, Galileo	60 tracking channels, 99 acquisition channels, 210 PRN channels	
ANTENNAS	GPS, GSM, Bluetooth	Internal	
BATTERIES	Type and capacity	Li-Ion 5,6 Ah	
CONSUMPTION	Standby	4 mAh / day	
	Trackpoint + data sending	1 mAh / each position	
	Solar panel gain	5-200 mA according to light intensity	
SENSORS	3 dimensional G sensor	Movement detection / Tilt detection / G-shock / Temperature	
	Possibility to connect Bluetooth sensors (TFI 172 002)		
INTERNAL MEMORY	Flash 512 kB	Capacity 5000 events or positions	
DIMENSIONS mm	Without metallic plate holder	216 x 100 x 35	
TEMPERATURE RANGE	-35 °C up to +80 °C		
PROTECTION CLASS	IP69	Waterresist	
WEIGHT	With batteries	720 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	



Plhovska 1997, 547 01
Nachod, Czech republic

tel: +420 491 446 611
fax: +420 491 446 644
email: level@level.systems

Data Box ID: tsjdcq
IČ: 474 69 374
DIČ: CZ 474 69 374

www.level.systems
C 2701 District court
Hradec Kralove

