

## TF1401 Pipe / Cable Locators



Order Code

TF1401

### Features:

- With backlight function, suitable for night use.
- GPS geolocation function, pipeline to automatic mapping.
- Professional data analysis software, automatic detection report generated
- High positioning accuracy

### Applications:

- Metal pipeline detection
- pipeline maintenance

**TF1401 underground pipeline detector** in the case of non-excavation, the underground pipeline, cable, cable for accurate positioning and buried depth measurement, accurate search underground pipe outside the coating damage point, buried cable fault point location.

**TF1401** combines ultra-narrowband filter, Bluetooth wireless communication, GPS positioning, professional data analysis software automatically map, test report automatically generated the most advanced technology, with superior anti-jamming capability, precise positioning and sounding. suitable for underground Metal pipeline detection and inspection line, pipeline management and maintenance, municipal planning and construction, power supply and other departments of the pipeline inspection, pipeline maintenance units is one of the necessary equipment.

### Specifications

Table 1: Transmitter

Parameters	TF1401
Output Signal	128Hz、 512Hz、 1KHz、 2KHz、 8KHz、 33KHz、 65KHz、 83KHz
Output Power	Maximum output power 10w
Output Mode	Direct Connection Mode; Clamp Connection Mode; Induction Mode
Impedance( $\Omega$ )	$\leq 99999\Omega$
Automatically Protection	Automatically protection will work under the output over heat or over current
Screen	Large LCD Screen with Backlight and Graphical Display
Power Supply	14.8V built-in lithium battery pack
Battery Stand-by Time	$\geq 8$ hours (Battery Condition Indicator)
Weight (Kg)	2.5KG
Dimension (mm)	348mm $\times$ 228mm $\times$ 84mm

**Table 2: Receiver**

Parameters	Specification
Receive Signal	Radio 50Hz、100Hz(CPS)、128Hz、512Hz、1KHz、2KHz、8KHz、33KHz、65KHz、83KHz
Positioning Accuracy	± 5% of depth (no adjacent pipeline interference)
Depth Accuracy	± 5% of depth (no adjacent pipeline interference)
Current Accuracy	± 5% of depth (no adjacent pipeline interference)
Depth Measurement Range	0-10m
Working Mode:	Valley mode, Peak mode, Wide peak mode and Peak arrow mode
Power Supply	7.4V built-in lithium battery pack
Battery Stand-by Time	≥12 hours (Battery Condition Indicator)
Weight (Kg)	2.3KG
Dimension (mm)	595mm×136mm×238mm

**Table 3: Wireless Bluetooth GPS**

Parameters	Specification
Sensitivity	- 165dbm
Positioning Accuracy	1m
Start Time	Cold boott: 48 seconds Fast boott: 8 seconds
Positioning Time	0.1 second
Refresh Rate	1 second / time
Battery	550mah lithium battery
Operating Temperature	- 10 °C - 45 °C

**Table 4: Anticorrosive Coating Evaluation Software**

According to the standard (GB / T 19285-2014) and relevant industry standards, the user can be provided with the anti-corrosion coating evaluation report (chart report and text report) of the measured pipe section without excavation.

- Import and export data in multiple formats (Excel, word, PDF);
- Automatically generate current attenuation curve;
- Automatically generate pipeline buried depth curve;
- Automatically generate the size and location distribution map of pipeline anti-corrosion coating damage points;
- Automatically generate current attenuation rate (y value) curve;
- Calculate the insulation resistance of anti-corrosion coating and evaluate it in sections;
- Automatically generate pipeline route map (plan view and three-dimensional view);
- Automatically generate evaluation report and assist in decision-making of anti-corrosion coating repair sequence and anti-corrosion coating maintenance scheme.

**Standard Package**

Item	Name	Qty
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1	Transmitter	1pc
2	Receiver	1pc
3	Rock Drill	1pc
4	Rechargeable Battery	1pc
5	Power Adapter	1pc
7	Connection Cable	1pc

Note: At least , The above standard package come with splicer main body.

### Ordering Information

Model	TF1401-A	TF1401-B	TF1401-C	TF1401-D	TF1401-E	TF1401-H
No. of Frequency	5	6	7	8	10	11
Frequency	512L、 1K、 33K、 83K	512K、 1K、 33K、 83K	512K、 1K、 33K、 83K	512K、 1K、 33K、 65K、 83K	512K、 1K、 2K、 8K、 33K、 65K、 83K	128K、 512K、 1K、 2K、 8K、 33K、 65K、 83K
Passive Frequency	50Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz
Power Filter	×	×	√	√	√	√
Failure Frequency	×	×	×	×	2	3
Fault Finding	×	×	×	×	√	√
Lithium battery	√	√	√	√	√	√
A-Frame	×	×	×	×	√	√
Positioning Depth (m)	6	8	10	10	10	10
GPS	×	×	×	√	√	√
Distance Display	×	×	×	√	√	√
Data Storage	×	×	×	√	√	√
Bluetooth	×	×	×	√	√	√
Integration of Detection and Mapping	×	×	×	×	×	√

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