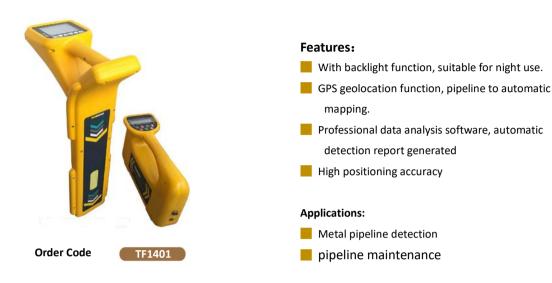


# **TF1401 Pipe / Cable Locators**



**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(Ω)	≤ 99999Ω					
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	≥8 hours (Battery Condition Indicator)					
Weight (Kg)	2.5KG					
Dimension (mm)	348mm×228mm×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	0.10				
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				
Ctort Times	Cold boott: 48 seconds				
Start Time	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	<b>1</b> pc		
3	Rock Drill	1pc		
4	Rechargeable Battery	<b>1</b> pc		
5	Power Adapter	1pc		
7	Connection Cable	1рс		

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、	128K、 512K、 1K、 2K、 8K、 33K、 65K、
Passive Frequency	50Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz	50Hz 100Hz
Power Filter	×	×	٧	٧	٧	٧
Failure Frequency	×	×	×	×	2	3
Fault Finding	×	×	×	×	٧	٧
Lithium battery	٧	٧	٧	٧	٧	٧
A-Frame	×	×	×	×	٧	٧
Positioning Depth (m)	6	8	10	10	10	10
GPS	×	×	×	٧	٧	٧
Distance Display	×	×	×	٧	٧	٧
Data Storage	×	×	×	٧	٧	٧
Bluetooth	×	×	×	٧	٧	٧
Integration of Detection and Mapping	×	×	×	×	×	٧

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