

UNI-T®



UT661 A/B Pipeline Blockage Detector User Manual



P/N:110401107207X
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REV.1

Introduction

Blockages and obstructions in pipelines can result in significant losses in revenue and severe disruption to operations. It is often critical to correctly identify the location of any blockages or obstructions to allow swift remedial actions to be taken.

UT661 can quickly locate any blockages or obstructions to avoid large scale overhaul. It is able to penetrate up to 50cm wall with accuracy of ± 5 cm.

Precautions

- Turn off the device after use.
- Pull out the probe from the pipe before clearing the pipe.
- Detecting distance may be shortened slightly for detecting steel pipe.
- If the green LEDs of transmitter and receiver are lit normally but no voice is present during detection, please replace the probe.

Power ON/OFF

Transmitter: Long press power button for 1s to power on the device, short/long press the same button to power off the device. The device will automatically power off after 1 hour.

Receiver: Rotate the power switch clockwise until the power indicator turns on. If the indicator does not turn on, please charge the receiver. Rotate the power switch anticlockwise until the power indicator turns off to power off the device.

Inspection before use

Turn on both the transmitter and receiver, rotate the power switch of the receiver clockwise to the end and place it closer to the probe, if the buzzer goes off, it is in well-condition. If not, take off the plastic cap of the probe to check if it is broken or short circuited.

Detection

Note: Please hold the handle tightly and rotate the wire coil when setting out or collecting the wire.

Step 1: Insert the probe into the pipe, extend the probe to the longest length possible, to where the blockage is located.

Step 2: Turn on the transmitter and receiver, set the sensitivity of the receiver to MAX by rotating the power switch, then use the receiver to scan from the probe entrance, when the buzzer goes off strongest, mark the point and pull out the probe.

Sensitivity adjustment

User can turn the power switch to increase the sensitivity for blockage detection. User can use high sensitivity position to locate the approximate range then lower the sensitivity to precisely locate the blockage point:

Increase sensitivity:

rotate the power switch clockwise

Decrease sensitivity:

rotate the power switch anticlockwise

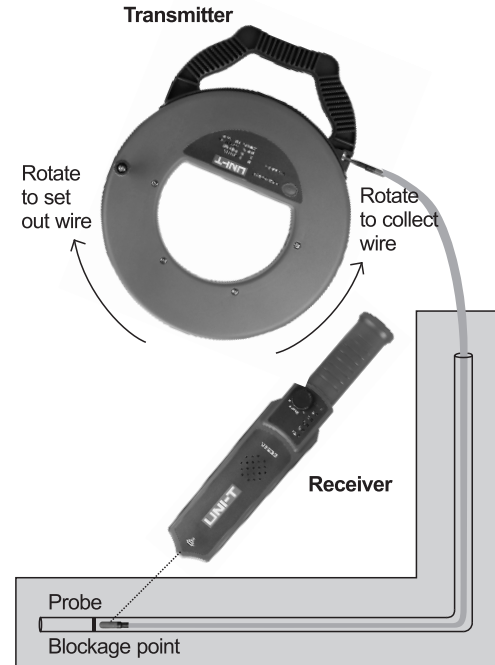
Power indicator

LED	Power
Solid green	Full power
Flashing green	Low power, please charge
Solid red	Charging

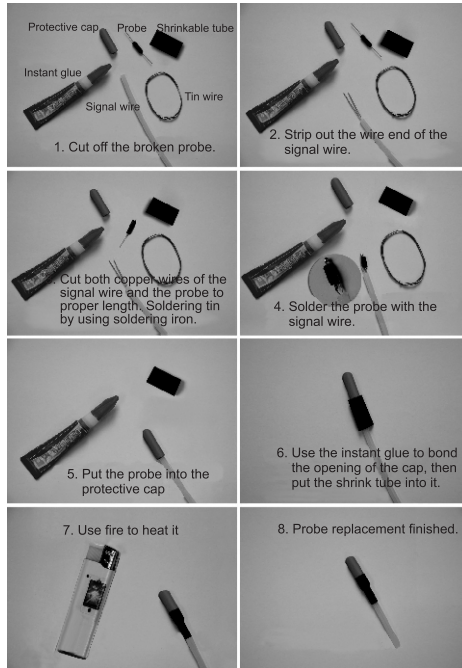
Maintenance

- Charge the device by using standard 5V 1A charger with micro USB adapter
- If not being used for a long time, please fully charge the device and store it in a safe location.
- It is suggested to charge the device once per half year to protect the battery of the device and lengthen lifetime.

Demonstration



Probe replacement



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Specification

UT661A	
Transmitter	✓
Signal wire	20m
Receiver	✓
Detection distance	>50cm
Transmitter battery	Internal Li-ion (3.7V 1800mAh)
Receiver battery	Li-ion BL-5C (3.7V 1120mAh)
Battery duration	10 hours
Weight	Transmitter: 1.1kg Receiver:0.23kg
Dimension	Transmitter:386*303*42mm Receiver:385*75*43mm


UT661B	
Transmitter	✓
Signal wire	30m
Receiver	✓
Detection distance	>50cm
Transmitter battery	Internal Li-ion (3.7V 1800mAh)
Receiver battery	Li-ion BL-5C (3.7V 1120mAh)
Battery duration	10 hours
Weight	Transmitter: 1.28kg Receiver:0.23kg
Dimension	Transmitter:386*303*42mm Receiver:385*75*43mm

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No.	Name	Qty	Note
1	Transmitter	1	
2	Receiver	1	
3	Li-ion Battery (BL-5C)	1	Receiver
4	USB cable	1	
5	Transmitter probe kit (Probe, protective cap, tin wire, shrinkable tube)	1	Including 4 kits
6	Instant glue	1	
7	User manual	1	

Uni-Trend reserves the right to update the content of this manual without further notice

说明书菲林做货要求:

序号	项目	内容	
1	尺寸	122x80mm	
2	材质	128g铜板+60g书纸	
3	颜色	单色	
4	外观要求	完整清晰、版面整洁，无斑墨、残损、毛边、刀线错位等缺陷。	
5	装订方式	无	
6	表面处理	无	
7	其它	无	
版本		REV.1 修改成股份有限公司	
DWH 设计	黄荣伟2018.06.25	MODEL 机型: Ut661	Part NO. 物料编号: P/N:110401107207X
CHK 审核		 优利德科技(中国)股份有限公司 <small>UNI-TREND TECHNOLOGY (CHINA) CO., LTD.</small>	
APPRO. 批准			