

ULTRASONIC TRANSMITTER

UT-40

This Ultrasonic Transmitter is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

1. INTRODUCTION

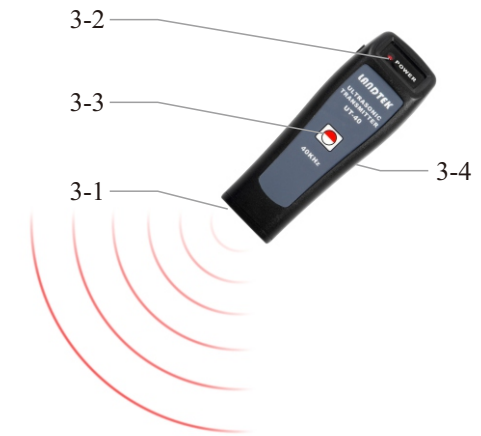
Ultrasonic transmitter can emit ultrasonic wave, to measure the leakage of the system with ultrasonic leak detector.

2. SPECIFICATIONS

Frequency	40 KHZ.
Oscillator Circuit	640 KHz crystal time base & divided by 16.
Power Indicator	When it is in power on state, then the 'Power Indicator Lamp' will light. If the 'Power Indicator' not be lighted when power on, it is time to change the battery.
Operating Temperature	0 to 50 °C (32 to 122 °F).

Operating Humidity	Max. 80% RH.
Power Supply	2x 1.5 AAA(UM-4) battery
Weight	50 g/0.11 LB (included battery)
Size	100 x 35 x 23 mm 3.9 x 1.4 x 0.9 inch

3. PANEL DESCRIPTION



- 3-1 Transmitter Head
- 3-2 Power Indicator
- 3-3 Power Key
- 3-4 Battery Cover/Compartment On The Back

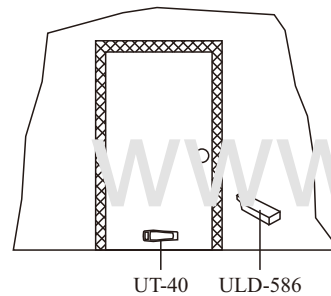
4. MEASURING PROCEDURE

- 4-1 Press the Power Key (3-3) on the front panel of ultrasonic transmitter to power on the transmitter. The Power Indicator (3-2) will be lit when power on.
- 4-2 After power on, then the unit is emitting ultrasonic sound from the Transmitter Head (3-1).
- 4-3 To turn off the transmitter when it is not in use to prolong the life of the battery.

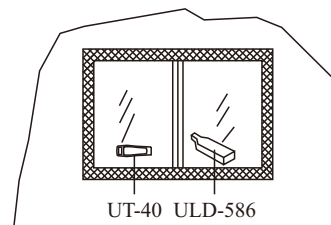
5. APPLICATIONS

The "Ultrasonic Transmitter" be used along the "Ultrasonic Leakage Detector", then will be existing the following wide spectrum applications.

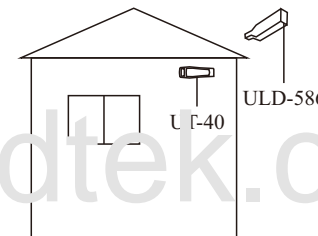
5-1 Air leaks around door seals



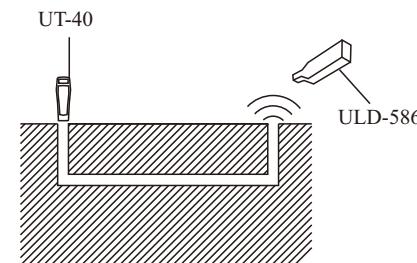
5-2 Air leaks around window seals



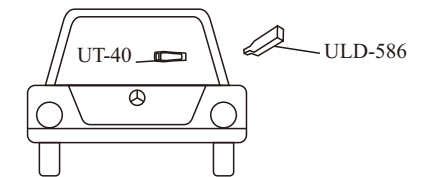
5-3 Water leaks in roofs.



5-4 Conduit & pipe identification.



5-5 Windshield leaks.



6. BATTERY REPLACEMENT

- 6-1 When the Power Indicator does not light any longer. It time to change batteries.
- 6-2 Slide the Battery Cover (3-4) away from the instrument and remove the batteries.
- 6-3 Install the batteries (2x1.5v AAA / UM-4) Correctly into the case.
- 6-4 If the instrument is not to be used for any extended period, remove batteries.