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UT12 Series Non-contact AC VOLTAGE DETECTORS

UT12 series non-contact AC voltage detectors are widely used in the maintenance of low voltage equipments such as conductors, cables, sockets, and other electrical/electronics instruments. It is a very handy tool for electricians.

- Auto power off
- Buzzer
- LED indication
- IP67 (UT12E/M)
- AC voltage detection
- Vibration mode (UT12E)
- Dual voltage mode (UT12D/E/M)
- Magnetic field detection (UT12M)



Mode	UT12S	UT12D	UT12E	UT12M
AC voltage (V)	Low High	24V-1000V 90V-1000V	24V-1000V 90V-1000V	24V-1000V 90V-1000V
Frequency range	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Vibration mode	—	—	√	—
Magnetic solenoid detection	—	—	—	√
Built-in flashlight	√	√	√	√
*Audible (buzzer) and visual (LED) indication	√	√	√	√
Auto power off	√	√	√	√
Low voltage indication	√	√	√	√
Dual insulation	—	—	√	√
Drop test	1m	1m	2m	2m
Product net weight	About 50g	About 50g	About 72g	About 72g
Product size	150x18x23mm	150x18x23mm	160.5x21.5x25mm	160.5x21.5x25mm

*Buzzer and sensing LED frequencies increase when detector gets closer to the test object

Model selection	110V regions	EU regions (220V)	Rest of the world (220V)
UT12S-ROW	—	—	√
UT12E-ROW	—	—	√
UT12M-ROW	—	—	√
UT12S-US	√	—	—
UT12D-US	√	—	—
UT12E-US	√	—	—
UT12M-US	√	—	—
*UT12S-EU	—	√	—
*UT12D-EU	—	√	—
*UT12E-EU	—	√	—
*UT12M-EU	—	√	—

*Circular sensor head

Applications:

Low voltage mode: Low-voltage motor (<90V), audio systems, arc welding machines, underground mining lighting, cables with thick insulation layer and other weak electromagnetic AC signals.

High voltage mode: Urban electric supply and three-phase systems (90-1000V). For example, power distribution units, electrical panels, electrical appliances.

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