







# 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	—	24V-1000V	24V-1000V	24V-1000V
	High	90V-1000V	90V-1000V	90V-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		150×18×23mm	150×18×23mm	160.5×21.5×25mm	160.5×21.5×25mm

\*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	—	—	√
UT12D-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.