

Wireless Connectivity Pen Size Digital Multimeter Detector (DMMD)



Specifications:

- 2000 count
- 3 1/2 digit
- True RMS
- 'ABP' Auto burn protection upto 250V AC / DC
- Software calibrated
- Auto 'V' (AC / DC) 300V
- Auto 'Ω' (20MΩ)
- Continuity '→•←' <50Ω
- Diode check '→•←' (2.00V)
- 'NCD' Non-contact AC Detector with patented, numerical digital display of AC signal strength
- 'SPT' Single probe Test AC voltage, identify 'live / hot' wire in an AC circuit, > 25V AC
- Auto power Off, 5 mins or always On
- Freeze / Hold reading
- 'Rel' relative reading
- Input impedance 10MΩ
- 'OL' over range display
- Low battery warning (< 2.6V approx.)
- Standalone mode or Bluetooth connectivity transmit data to Smart phone / Tablet with iOS APPS or Android APPS
- Battery powered (included) 2 x 1.5V (L1154 / LR44 / AG13)
- Dimensions (L X W X D)mm : 161 x 24 x 24)
- Weight (approx) grams : 60 (without battery)

Bluetooth Integrated



V AC / DC Voltage Measuring



Ω Resistance Measuring



MS-BDTP1A



))) Continuity Check



→•← Diode Check



NCD Non-contact AC Voltage Detection



SPT Single Probe Test AC Voltage

Reading Display



Digital display



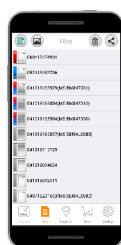
Analogue display (Turn clockwise)



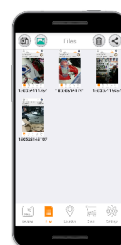
Real time graphic display (Turn anticlockwise)



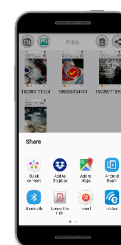
Capture picture with data on screen display



Historical storage / data filing



Historical storage / photo with data filing (For iOS APP, please go to photo library to view the stored pictures and share)



Send / share file or photo



Data logger compatible

- Features and specifications are subject to change without prior notice.



MEET International Ltd.
MANUFACTURER AND EXPORTER
美特國際有限公司

Flat 1901, 19/F., Westin Centre, 26 Hung To Road, Kwun Tong, Kowloon, Hong Kong.
香港九龍觀塘鴻圖道26號威登中心19樓1901室
Website : www.meet.com.hk www.meetprofessional.com www.meetishop.com
Tel : +852 29504689 E-mail : sales@meet.com.hk



MEET.com.hk



MEET iShop



WhatsApp
(852) 63579757



MEET_HK Channel

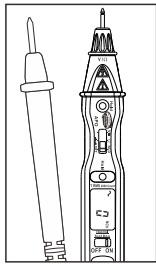


Copyright © 2023 MEET International Ltd. All rights reserved.

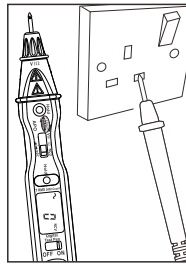
Typical examples of how to use

Non-Contact AC Detector (NCD) and Single Probe Test (SPT)

Before operating

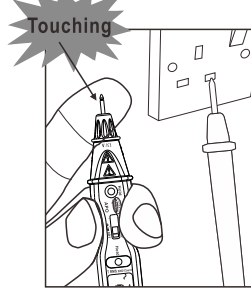


Hold your meter with the attached test lead away from any AC voltage source then slide the switch to 'NCV / SPT' range. Highest sensitivity is obtained and calibrated, reading on LCD display '0' (or '1')

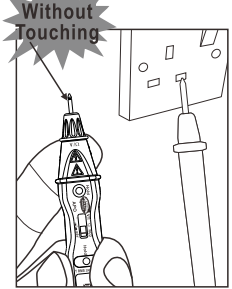


Move the test probe close to the AC source, reading on LCD starts from '0' to higher reading

Note: 'High' or 'Low' reading select



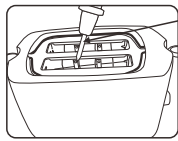
'Higher' reading obtained when touching the 'test electrode'



'Lower' reading obtained when without touching the 'test electrode'

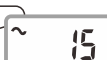
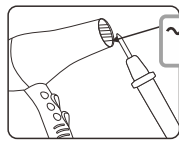
Advance features of Non-Contact AC Detector (NCD):

- Ground / Earthing check of electrical appliances



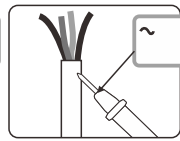
Move the test probe proximately towards electrical appliance (with power off) such as electric kettle, toaster, heater, washing machine, dry machine, microwave oven etc.. Reading on DMMD increases when 'Ground / Earthing' is not connected to the appliance

- Wrong wiring / connection check



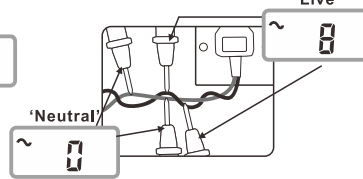
Move the test probe close to a hair dryer with the POWER OFF. Reading on DMMD increases when the plug is inserted improperly, or 'Live / Hot' wire is connected 'WRONGLY' (reverse) to the socket

- Instant find AC voltage through PVC conduit



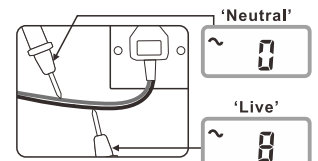
Move test probe close on PVC conduit. Reading on DMMD increase indicates 'Live / Hot' wires presence

- Find 'live / hot' wire on twisted wire



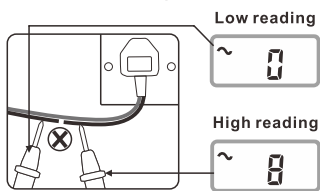
Use test probe to trace along pair / twisted wire, Reading on LCD drops to the lowest reading is the location of 'Neutral' and or 'Ground' (Earthing) wire, again when the reading increases to the highest reading is the location of 'Live / Hot' wire

- Distinguish 'live / hot' and 'neutral' from outside the cable / wire



Highest reading on the cable indicates 'Live / Hot' side

- Locate broken wire or fault finding

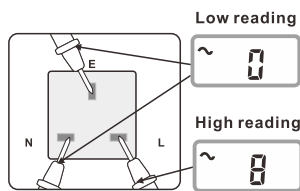


Low reading

High reading

Trace along on the wire. Reading on LCD drops is the location of broken wire

- Proper connection of wall socket

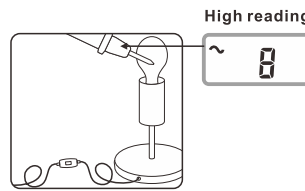


Low reading

High reading

Highest reading on right side 'L' and lower reading on left 'N' and top 'E' side indicates socket properly connected

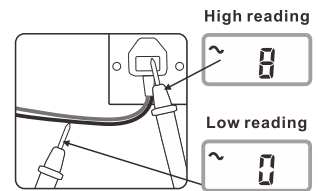
- Safety connection check of table lamp



High reading

Higher reading near the lamp with POWER OFF, indicates plug or wiring is improperly connected, reverse the connection

- Instant find fused blow



High reading

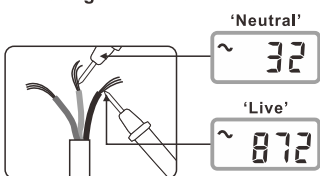
Low reading

Higher reading on the plug side indicates AC voltage present. Alternatively, fuse blew when no reading on the wire

Advance features of Single Probe Test (SPT):

☞ 'Test electrode' must make physical contact with the object during testing

- Distinguish 'Live / Hot' and 'Neutral'

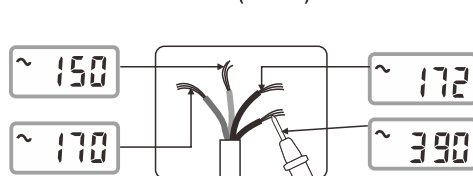


'Neutral'

'Live'

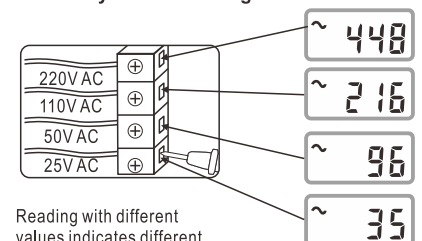
Use 'test electrode' of black probe in direct contact with the bare wire. Highest reading indicates 'Live' wire

- Find true 'Live / Hot' / (Ghost) wire



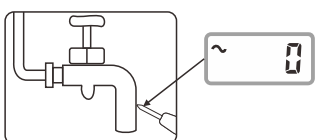
Highest reading i.e. '390' defined as true 'Live / Hot' wire

- Identify various voltage differences



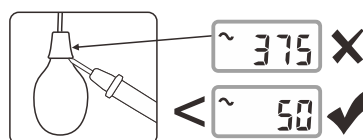
Reading with different values indicates different voltage supply

- Ground / Earthing connection check



A healthy connection of Ground / Earthing indicates approximately '0' or '1'

- Safety wiring connection check of lamp holder



Proceed with the lamp when power OFF. High reading indicates wiring improperly connected, reverse the connection

Notes:

1. It is not suitable to detect on shielded AC wire.
2. Sensitivity reduce under high humidity environment.
3. Reading on DMMD suddenly increases when banging or rubbing the DMMD or test leads, thus generated static electricity, this is normal.
4. For perfect function, DMMD must be tested to a known AC voltage supply before using.