



Features

- Helps to Diagnose Fault in Inverter Based Products
- 60 - 600V AC, 40 - 400Hz (Max. for 5 minutes)
- No Battery Required
- Rugged, Handy, Easy and Safe to Use
- Color Identified Test Probes with Insulated Crocodile Clips for R, Y, B Connections
- LED Based Instant Diagnosis

Introduction

Inverter Analyzer is suitable to check all inverter products. It can be used to analyze the fault in Air Conditioners (AC's), Refrigerators etc. It helps to diagnose whether there is a Compressor failure or a PCB failure.

Working

In case of a breakdown,

Step 1 : Turn the power off.

Step 2 : Remove the connections between the Compressor and PCB.

Step 3 : Check and ensure that the charged voltage of built-in smoothening electrolytic capacitor drops to < 10V DC or below while carrying out any service.

Step 4 : Connect Inverter Analyzer instead of Compressor by connecting the faston terminals of the PCB to the Crocodile Clips of the Inverter Analyzer (R, Y, B respectively). Be careful not to touch the Crocodile Clips (R, Y, B) with each other.

Step 5 : Turn the power on and operate the A.C. or Refrigerator.

Step 6 (Diagnosis) : When all LED's of the Inverter Analyzer are lit uniformly, it means the PCB is proper and Compressor is faulty. When any/all LED's are not uniformly lit, it means there is fault in the PCB.

Step 7 : On completion of diagnosis, be sure to switch off the power. Then remove the connections of the Crocodile Clips of the Inverter Analyzer. Re-connect the faston terminals of the PCB to Compressor firmly. Loose connections may lead to burning of the terminals.



NCVD-1000



NCVD-1000S

Functions	Safe Non Contact Voltage Detection, Torch Light	Safe Non Contact Voltage Detection, Torch Light, Auto Power Off
Voltage Range	90 ~ 1000V AC	90 ~ 1000V AC
Frequency Range	50 ~ 60Hz	50 ~ 60Hz
Alarm Mode	Bright RED LED with Audible Sound (Buzzer)	Bright RED LED with Audible Sound (Buzzer)
Torch	White LED Illumination	White LED Illumination
NCV Sensitivity	Fixed	Fixed
Measurement Category	CAT II 1000V AC	CAT III 1000V AC
Power	1.5V AAA x 2 Batteries	1.5V AAA x 2 Batteries
Auto Power Off	-	5 Min. (approx.)
Dimension	153 x 25 x 18mm (approx.)	148 x 26 x 18mm (approx.)
Weight	42gms (approx.) Including Batteries	38gms (approx.) Including Batteries
Accessories	1.5V (AAA) x 2 Batteries, Blister	1.5V (AAA) x 2 Batteries, Blister