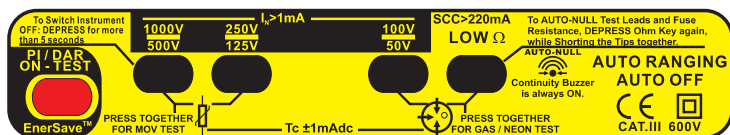




Model 1155 TMF

Insulation & Multifunction Tester



• DAR (Dielectric Absorption Ratio)

The DAR is the ratio of the insulation resistance measured at 1 minute divided by the insulation resistance measured at 30 sec.. 30 seconds after starting a test (with Ener-Save™ disabled), the tester will beep, indicating that the resistance value measured at 30 seconds has been saved.

One minute after starting a test, the tester will beep again, indicating that the DAR result has been computed. The display format then changes to display the DAR result.

• PI (Polarization Index)

The PI is the ratio of the insulation resistance measured at 10 min. divided by the insulation resistance measured at 1 minute. 1 minute after starting a test, the resistance value is saved and the DAR is displayed.

The test then continues, and after 10 min. (with Ener-Save™ disabled), the tester will beep again, indicating that the PI result has been computed. The display format changes to display the PI result. The tester will AutoStop at 10 minutes.

• Voltmeter

Conventional insulation testers are highly susceptible to damage when testing insulation resistance while voltage is present (whether AC or DC) on the measured object. To safely prevent damage, this new line of testers have the unique ability to sense voltage on a measured object. If any voltage is sensed, the tester will automatically switch to voltage detection mode and display the voltage finding on the LCD screen.

This allows the user to prevent damage caused by attempting to measure insulation resistance while voltage is present.



AL-24-5

BET-1800

CAC-1151

Features

- Microprocessor-controlled.
- Automatic voltmeter AC/DC at Start/Reset.
- Auto range
- Auto off.
- Battery test.
- Battery test at switch ON/Reset.
- Safety voltmeter before each test.
- Auto discharge on all test and all ranges.
- Leads Auto-Null key.
- Test Auto-Stop.
- Smart hold & stop on voltmeter ac/dc.
- Ener-Save feature to extend battery life.
- Continuity short circuit current > 220mA.
- Continuity open circuit voltage of 5Vdc.
- Nominal voltage @ 1mA on all insulation ranges.
- Accept 8 rechargeable batteries or Alkaline of normal.
- BS 16 edition.

Specifications

Insulation

Test voltage: 50V / 100V / 125V / 250V / 500V / 1000V
Measuring ranges: 0.1M~400MΩ / 0.1M~800MΩ / 0.1M~1GΩ.
/ 0.2M~2GΩ / 0.2M~4GΩ / 0.2M~8GΩ

Accuracy: 0.1MΩ~4GΩ: ±3%rdg
4GΩ~8GΩ: ±5%rdg

PI Function ✓
DAR Function ✓

Metal Oxide Varistor (MOVs) & Gas Arrester (GAS) Voltage Result @ 1mA

Test Voltage / Accuracy: 5 ~ 1020V / ±3%rdg±2dgt

Voltmeter (Autoranging)

Range / 0 ~ 700Vac / ±1.5% F.S. ±1V
Accuracy & Resolution: 0 ~ 950Vdc / ±1.5% F.S. ±1V
Auto-Hold: ✓

Continuity Short Circuit Current > 220mA

Range / Accuracy: 0.01 ~ 100Ω / ±1%rdg
100 ~ 300Ω / ±1.5%rdg
300 ~ 1999Ω / ±2%rdg
Auto-Null: Up to 5Ω
Buzzer Threshold Value: Up to 3Ω

General

Battery load current: Approx. 300mA
L.C.D type: Large Type 2 × 16 Characters
Auto-off Approx.: 5 minutes
Fuse: Fast HBC 500mA 600V (5 × 20mm)
Operating temperature: 0°C to 40°C not in full sun
Storage temperature: -10°C to 50°C
Dimensions: 175(L) × 85(W) × 75(D)mm
Weight: Approx. 655g (battery included)
Power source: 1.5V (AA) × 8 Alkaline batteries
Auto discharge on all test & all ranges: ✓
Safety standard: EN 61010-1 CAT III 600V. EN 61326-1,
Accessories: Instruction manual. Test leads.
Shoulder belt. Soft pouch. Batteries.