



CE

1152 MF



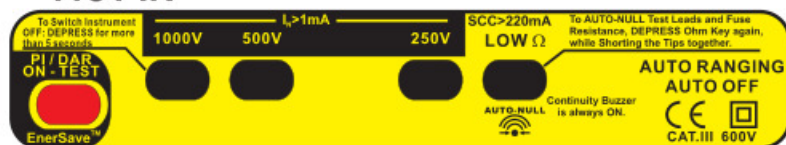
CE

1155 TMF

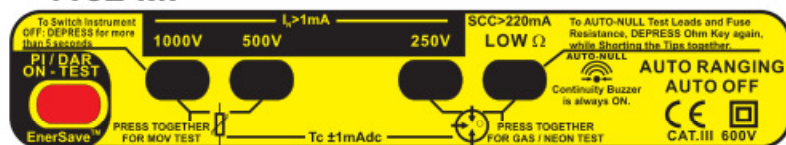
FEATURES

- Auto-Range microprocessor controlled.
- Automatic voltmeter AC/DC at Start/Reset.
- 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™.
- Continuity short circuit current > 220mA.
- Continuity open circuit voltage of 5Vdc.
- Nominal voltage @ 1mA on all insulation ranges.
- Display customization for OEM.
- Accept 8 Rechargeable batteries or Alkaline or normal.
- UK 16th edition.
- IEC/EN 61010-1 CAT III 600V.
- IEC/EN 61010-1 CAT III 100V(only 1153AI).
- EN 61326+A1+A2+A3, EN 55011+A1+A2,
- EN 61000-3-2+A2, EN 61000-3-3+A1+A2,
- EN 61000-4-2+A1+A2, EN 61000-4-3+A1,
- EN 61000-4-4, EN 61000-4-5+A1,
- EN 61000-4-6+A1, EN 61000-4-11

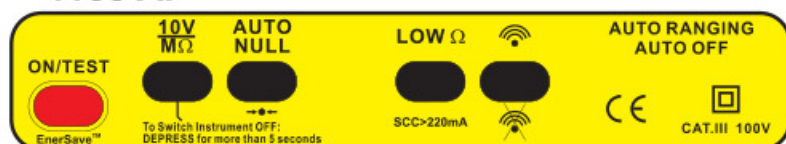
1151 IN



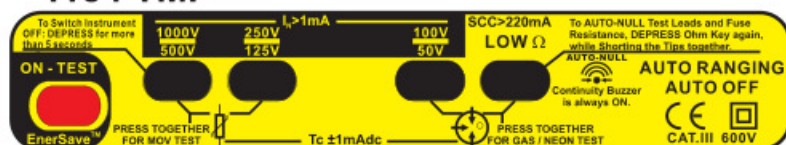
1152 MF



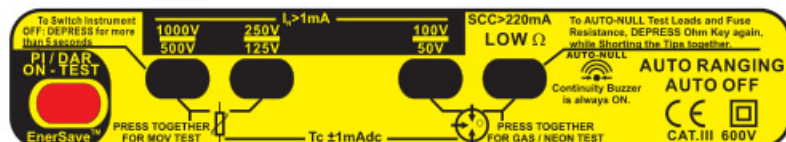
1153 AI



1154 TMF



1155 TMF



TEL-AL28-5

BET-1800

CAC-1151
120(L)x110(w)x210(D)

**STANDARD**

Test & Measuring Instruments

SPECIFICATIONS**1151 IN****1152 MF****1153 AI****1154 TMF****1155 TMF**

Multi-Function Testers	Electrical Installations	Electrical Installations Maintenance Analysis	Auto Motive Repairs Maintenance	Electrical Installations Telecoms Maintenance	Electrical Installations Telecoms Maintenance Analysis
------------------------	--------------------------	---	---------------------------------	---	--

Insulation

Test Voltage	Insulation Resistance				
1000V	0.2M Ω ~8G Ω	•	•	•	•
500V	0.2M Ω ~4G Ω	•	•	•	•
250V	0.2M Ω ~2G Ω	•	•	•	•
125V	0.1M Ω ~1G Ω			•	•
100V	0.1M Ω ~800M Ω			•	•
50V	0.1M Ω ~400M Ω			•	•
10V	0.1M Ω ~80M Ω		•		
Accuracy	0.1M Ω ~4G Ω : $\pm 3\%$ rdg 4G Ω ~8G Ω : $\pm 5\%$ rdg				
PI=Polarization Index		•	•		•
DAR=Dielectric Absorption Ratio		•	•		•

Metal Oxide Varistor (MOVs)

Test Voltage	Accuracy & Resolution				
5~1020V	$\pm 3\%$ rdg ± 2 counts		•	•	•

Gas Arrester Voltage Result @ 1mA

Test Voltage	Accuracy & Resolution				
5~1020V	$\pm 3\%$ rdg ± 2 counts		•	•	•

Continuity Short Circuit Current > 220mA

Range	Accuracy				
0.01~100 Ω	$\pm 1\%$ rdg	•	•	•	•
100~300 Ω	$\pm 1.5\%$ rdg	•	•	•	•
300~1999 Ω	$\pm 2\%$ rdg	•	•	•	•
Auto-Null	Up to 5 Ω	•	•	•	•
Buzzer	Threshold Value	•	•	•	•
	Up to 3 Ω	•	•	•	•

Voltmeter (Autoranging)

Range	Accuracy & Resolution				
0~700Vac	$\pm 1.5\%$ F.S ± 1 V	•	•	•	•
0~950Vdc	$\pm 1.5\%$ F.S ± 1 V	•	•	•	•
0~100Vac	$\pm 1.5\%$ F.S ± 1 V			•	
0~100V c	$\pm 1.5\%$ F.S ± 1 V			•	
Auto-Hold		•	•	•	•

General

Battery Load Current	About 300mA
Battery Type	Alkaline 1.5V(AA) x 8 (Rechargeables 1.2V x 8)
L.C.D Type	Large Type 2 x 16 Characters
Auto-off	Approx. 5 minutes
Fuse	Fast HBC 600V 500mA
Dimensions	175(L) x 85(W) x 75(H) mm
Weight	Approx. 655g
Operating Temperature	1°C to 55°C not in full sun
Storage Temperature	-20°C to 70°C
Accessories	Test leads Shoulder belt Carrying case Instruction manual Batteries