



# Model 4175 TMF

## Insulation & Multifunction Tester



### Features

- Microprocessor-controlled.
- Telecommunication test voltage : 50V and 100V.
- Large range of insulation test voltages: 50, 100, 125, 250, 500, 1000V.
- Mov / protection devices test.
- Gas Arrester function.
- Automatic voltmeter AC/DC at Start/Reset.
- Test ON-OFF.
- Battery test.
- Safety voltmeter before each test.
- Auto-discharge on all test and all ranges.
- Battery test at Switch ON-TEST.
- Smart hold & Stop on voltmeter AC/DC.
- eads AUTO-NULL Key.
- Test Auto-stop.
- Auto range.
- Ener-Save™.

### Specifications

#### Insulation Resistance

Test voltage (DC) and Measuring ranges	50V / 0.1MΩ~400MΩ 100V / 0.1MΩ~800MΩ 125V / 0.1MΩ~1GΩ 250V / 0.2M~2GΩ 500V / 0.2MΩ~4GΩ 1000V / 0.2M~8GΩ
Output voltage @ 1mA	Rated test Voltage +10%
Accuracy	0.1MΩ~4GΩ : ±3%rdg 4GΩ~8GΩ : ±5%rdg
Nominal voltage rated	1mA
Short circuit current	1.2mA
Polarization index(PI)	√
Dielectric absorption ratio (DAR)	√

#### Continuity

Ranges	0.01~100Ω / 100 ~300Ω / 300~1999Ω
Accuracy	0.01~100Ω : ±1.0%rdg 100~300Ω : ±1.5%rdg 300~1999Ω : ±2.0%rdg
Auto-null	up to 5Ω
Buzzer	up to 3Ω

#### Voltmeter

DC voltage	0-950V
AC voltage	0-700V
Resolution	1V
Accuracy	±1.5% rdg

#### Mov Test

Measuring range	5~1020 Vdc
Accuracy	±(3%rdg + 2dgt)

#### GAS Arrester Test

Measuring range	5~1020 Vdc
Accuracy	±(3%rdg + 2dgt)

#### General

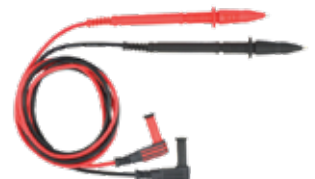
Fuse	500mA 250V (5 × 20mm) HBC. Fast Blow
Display	LCD
Operating temperature	0°C to 40°C
Storage temperature	-10°C to 50°C
Dimensions	250(L) × 190(W) × 110(D)mm
Weight (battery included)	Approx. 1460g
Power source	1.5V (AA) × 8 Alkaline batteries
Safety standard	EN 61010-1 CAT III 600V EN 61326-1

### Accessories

- Instruction manual
- Test leads
- Shoulder belt
- Batteries



AL-21C2-4



AL-24-5