



# Insulation Resistance Tester

## Analog Insulation Resistance Tester IRT3



### Functions

- 600V AC
- Insulation resistance: 0 to 400MΩ
- Three test volt ranges (250V, 500V, 100V DC)

### Features

- Fuse protected
- Hard carrying case
- 3-Year limited warranty

## Digital Insulation Resistance Tester DMEG3



### Functions

- 600V AC measurement
- Auto-ranging insulation resistance up to 2000Ω
- Three test voltage ranges (250, 500, 1000V DC)
- 200mA Short circuit continuity
- Precision resistance 0.01Ω
- Precision low resistance test leads
- Automatic post-test cable discharge

### Features

- Large digital display
- Live circuit warning light
- Fuse protected
- Audible continuity
- Green LED power-on indicator
- Low battery indicator
- Rugged compact case
- Maintains rated voltage on cables
- 3-Year limited warranty



### DMEG3 & IRT3 Applications

Test insulation integrity on motors, power distribution systems and other installed wiring



## Includes

- Test leads (ATL55)
- Batteries 8 (AA)
- Fuse (AF21)
- Manual (DMEG3/IRT3-MAN)

## IRT3 Specifications

Function	Range	Accuracy
Insulation Resistance	0 ~ 50MΩ (250 DC V ±10%) 0 ~ 100MΩ (500 DC V ±10%) 0 ~ 400MΩ (1000 DC V ±10%)	±5% rdg (approximately)
AC Voltage	0 ~ 600V Frequency 40-1kHz	±2.5% ±3 dgt
Continuity	0 ~ 50Ω	±2.5% Full Scale
Short Circuit Current	0 ~ 50MΩ: 2 DCmA, 0 ~ 100MΩ: 2 DCmA, 0 ~ 400MΩ: 2 DCmA	
Open Circuit Terminal Voltage	4V DC min.	
Short Circuit Terminal Current	240mA DC min.	
Safety Requirements	IEC-1010 safety requirements category III	
Power Consumption	Max current approximately 190mA @ 12V DC	
Dimensions	6.7 x 6.5 x 3.6 inches (170 x 165 x 92 mm)	
Weight	2.1 lb. (batteries included)	

## DMEG3 Specifications

### Insulation Resistance

Range	Resolution	Accuracy
0 - 200 MΩ (250V, 500V DC ±10%)	1 count = 100kΩ	±1.5% ±5 dgt
0 - 2000 MΩ (1000V DC ±10%)	1 count = 1MΩ	±5% ±5 dgt (0 - 2000 MΩ)
Sustained Current:	1mA DC min @ 0.25MΩ for 250V range 1mA DC min @ 0.5MΩ for 500V range 1mA DC min @ 1MΩ for 1000mA	

### AC Voltage

Range	Resolution	Accuracy	Frequency Range
0 - 600V	1V	±1.5% ±3 dgt	40 - 120Hz

### Continuity

Range	Resolution	Accuracy	Frequency Range
0 - 20Ω	0.01Ω	±1.5% ±5 dgt	40 - 120Hz
0 - 2000Ω	1Ω	±1.5% ±3 dgt	

Power consumption:	Max current approximately 250mA
Open Circuit terminal voltage:	4V DC min.
Short Circuit terminal voltage:	210mA DC min.
Power consumption:	Max current approximately 160mA
Audible alarm:	Sounds @ <10Ω in 20Ω range
Safety requirements:	IEC-1010 safety requirements category III
Dimensions:	6.7 x 6.5 x 3.6 inches (170 x 165 x 92 mm)
Weight:	2.1 lb. (batteries included)

## Downloads



Manual



Data Sheet



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