

INTRODUCTION

ACUCAL Insulation Testers or known as meggers are electrical meters used to determine the condition of the insulation on wire and motor windings. The insulation found on wires, cable, and motor windings serve to protect the wire and keep it separate from other wires.



FEATURES

- Auto- discharge function to make, the operation safe.
- LCD Back-light.
- Digital readout display.
- Live circuit warning symbols with audio sounds.
- Auto- power off function (in 10 minutes without operation)
- Timer measurement function.
- Low battery indication
- PI measurement (Polarization index measurement)
- Suitable for 12V DC adapter (12V/1A)

1. Insulation Resistance Tester:

Rated voltage	500V	1000V	2500V	5000V
Test range	0.0~999MΩ	0.0~ 1.99GΩ	0.0~99.9GΩ	0.0~1000GΩ
Open circuit voltage	DC 500V +30%, -0%	DC 1000V +20% -0%	DC 2500V +20% -0%	DC 5000V +20% -0%
Rated current	0.5MΩ loading 1mA~1.2mA	1MΩ loading 1mA~1.2mA	2.5MΩ loading 1mA~1.2mA	5MΩ loading 1mA~1.2mA
Short- circuit current	Approx. 1.3mA			
Accuracy	±5%rdg±3dgt (0~99.9GΩ), ±20%rdg±3dgt (above 100GΩ)			

2. Voltage Tester: 30~600V (Resolution 1V)

	DV	AV
Measuring Range	±30~±600V	30~600V (50/60Hz)
Resolution	1V	
Accuracy	±2%rdg±3dgt	

TECHNICAL SPECIFICATIONS

Display	Max. 999 counts LCD display (1000 counts only at 1T is displayed)
Over range indication	OL mark appears on insulation resistance range. LO mark appears on voltage's range.
Sample rate	0.5~ 10 times/sec
Operation circumstance	Temperature 0~40°C, humidity <= 85%
Storage circumstance	Temperature -20~ 60 , humidity <= 90%
Overload protection	Insulation resistance : AC 1200V/ 10s Voltage : AC 720V/ 10s
Voltage resistance	AC8320 (50/60Hz)/ 5 second (between electrical circuit and enclosure)
Insulation resistance	1000M of more/ DC 1000V (between electrical circuit and enclosure)
Power supply	DC12V (8x1.5V LR14 battery)
Battery's life	Approx. 15 hours
Dimension	153x 96 ×200mm
Weight	1032g (without batteries and test wires)