

**NEW!**

Preliminary  
Data

CE



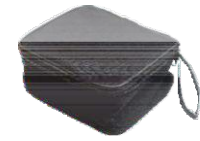
AA X 8  
BATTERIES



12VDC  
ADAPTOR



**R-DIT945K-1**



CARRYING  
CASE



TEST LEADS

### Introduction:

"MECO-G" has introduced a new & advanced multi-range 3½ Dgt. (1999 Counts) Digital Insulation Tester Model: R-DIT945K-1. It has 6 Voltage Ranges i.e. 100V/250V/500V/1000V/2500V/5000V.

R-DIT945K-1 has three Ohms ( $\Omega$ ) ranges, 0-200M $\Omega$ , 200M $\Omega$ -10G $\Omega$  and 10G $\Omega$ -2000G $\Omega$ .

### Special Functions:

- \* 3½ Digit (1999 Counts) Large Display with Back light
- \* High Accuracy  $\pm(3\% + 2\text{dgt})$  for Insulation Measurement.
- \* LCD Back Light Function with Indicator Switch.
- \* Battery Operated / AC adaptor
- \* Display with Annunciators
- \* Auto-Ranging (Insulation Measurement)
- \* As per EMC standard IEC 61326-1 Class B
- \* AS per Safety Standard IEC/EN 61010-1 & 61010-31
- \* LED Indicator for HV (High Voltage)
- \* In-built Protection Circuit to prevent the damage reverse voltages.
- \* 6 Ranges of Insulation Measurement.
- \* Suitable for calculation PI and DAR (manually)
- \* As per IS10656-1983
- \* Over Voltage CAT III, 600V
- \* IP-44 Protection

### Electrical Specifications: R-DIT945K-1

Specification	Test Voltage	Range	Accuracy	Resolution
Insulation Resistance	100V/250V/500V $\pm 10\%$	0.1~20M $\Omega$	$\pm(3\% + 5\text{dgt})$	0.01M $\Omega$
	1000V/2500V/5000VDC $\pm 10\%$	200M $\Omega$ ~10G $\Omega$	$\pm(5\% + 10\text{dgt})$	
		10G $\Omega$ ~200G $\Omega$	$\pm(10\% + 5\text{dgt})$	

Accuracy  $\pm$  (% reading + digits) at 23°C  $\pm$  5°C; RH  $\leq$  75%

### General Specifications:

Display	3½ Dgt. (1999 Counts) Large LCD Display with 29mm Display Height.
Accuracy	$\pm(3\% + 5\text{dgt})$
Low Battery Indication	
Operating Temperature	0°C to 40°C (RH $\leq$ 85%)
Storage Temperature	-10°C to 50°C (RH $\leq$ 75%)
Voltage Withstand	2KV for 1 min.
Dimensions	190 x 155 x 75 mm
Weight	Approx. 900gms including batteries
Power	12V (8 x 1.5V) (R6AA size batteries) or AC Adaptor 12VDC
Accessories	1. Insulation Test leads for High Voltage x 1 2. Batteries (R6AA size batteries) 1.5V x 8 3. Instruction Manual 4. Carrying Case 5. Adaptor