



Order Code - 16995



Order Code - 16995A

### Introduction:

"Tesca" has introduced a multi-range 3½ Dgt. (1999 Counts) Digital Insulation Tester Order Code: 16995 and 16995A. It has 3 Voltage Ranges, 250V/500V/1000V and 1000V/2500V/5000V respectively.

16995 has two MOhms (MW) ranges, 0-200mW and 0-2000mW and 16995A is auto-ranging upto 20GW. AC voltage measurement upto 750VAC is available. Voltage is maintained from 10% to 100% of the insulation resistance range.

### Special Functions:

- 3½ Digit (1999 Counts) Large Display with Back light
- LED Indicator for HV (High Voltage)
- High Accuracy  $\pm(5\% + 5\text{dgts})$  for Insulation Measurement. and  $\pm(1\% + 6\text{dgts})$  for VAC Measurement
- Inbuilt Protection Circuit to prevent the harm of reverse voltages.
- LCD Back Light Function with Indicator Switch.
- Battery Operated / AC adapter (At additional cost)
- Measurement of AC voltage upto 750VAC.
- 3 Ranges of Insulation Measurement.

### Electrical Specifications: 16995

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

#### Specification

##### Insulation Resistance

Test Voltage - 250V/500V/1000V  
Range - 0-200MW to 2000MW  
Accuracy -  $\pm(5\% + 5\text{dgts})$   
Resolution - 0.01 MW

##### AC Voltage Measurement

Test Voltage - 0-750VAC (40-400Hz)  
Accuracy -  $\pm(1\% + 6\text{dgts})$   
Resolution - 1V

### Electrical Specifications: 16995A

Accuracy  $\pm$  (% reading + digits) at 23°C  $\pm$  5°C;  
RI-1 75%

#### Specification

##### Insulation Resistance

Test Voltage - 1000V/2500V/5000V  
Range - 1MW-10GW to 20MW  
Accuracy -  $\pm(5\% + 5\text{dgts})$   
Resolution - 0.1 MW

##### AC Voltage Measurement

Test Voltage - 0-750VAC (40-400Hz)  
Accuracy -  $\pm(1\% + 6\text{dgts})$   
Resolution - 1V

### General Specifications:

#### Display

- 3½ Digit. (1999 Counts)  
Large LCD Display with  
33mm Display Height.

#### Accuracy

-  $\pm(5\% + 5\text{dgts})$  for  
Insulation  
Measurement.  
 $\pm(1\% + 6\text{dgts})$  for VAC  
Measurement

#### Low Battery Indication

- Operating Temperature

#### Storage Temperature

- 0°C to 40°C (RH  $\leq$  85%)  
- 10°C to 50°C (RH  $\leq$   
75%)

#### Insulation Resistance

#### Voltage Withstand

#### Dimensions

#### Weight

#### Power

-  $\geq 500\text{MC1} / 1000\text{V}$   
- 2KV for 1 min.  
- 170 x 110 x 60mm  
- Approx. 550gms  
including batteries  
- 9V (6 x 1.5V) (R6AA  
size batteries) or AC  
Adaptor 9VDC

### Accessories

1. Insulation Test leads for High Voltage x 1
2. Batteries (R6AA size batteries) 1.5V x 6
3. Instruction Manual
4. Carrying Case
5. Shielding Line (Only with 16995A)
6. Adaptor (At additional Cost)

Note: Specifications are subject to change.

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