

4

True RMS Digital Multimeter

INDENT NO.: 636220011

GENERAL SPECIFICATION :-

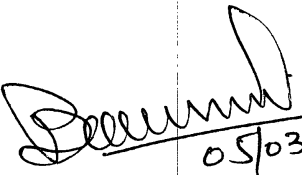
- 6000 Counts LCD Display with backlit.
- CE & IEC 61010-1 CAT IV(600V) / IP54
- Overload Protection:
 1. Fuse Protection for 'mA' Input Terminal: 0.75A/0.8A/500V fast blow type ceramic fuse.
 2. Fused Protection for 20A Input Terminal: 20A/500V fast blow type ceramic fuse.
- Directives for CE Certification: LVD:2006/95/EC., EMC: 2004/104/EC
- Measurement Category: CAT IV, (600V) Reinforced Insulation.
- Relevant Standard Specification : EN 61010-1:2010, EN61326-1: 2006
- Operating Temperature : 0°C to 50°C
- Analog bar graph for trend indication.
- Low battery indication.
- AUTO POWER OFF function.

TECHNICAL SPECIFICATION :-

- DC Voltage Range: 600mV-1000V, Resolution: 0.1mV to 1V, Accuracy: $\pm(0.5\%+3)$. Overload Protection: 1050V DC/AC rms.
- AC Voltage (50Hz-500Hz)Trms Range: 6V-750V, Resolution : 1mV to 1V Accuracy: $\pm(1\%+5)$. Overload Protection: 1050V DC/AC rms.
- DC 'mV' Range: 60mV-600mV, Resolution: 0.01mV-0.1mV, Accuracy : $\pm(0.5\%+3)$. Overload Protection: 1000V DC/AC rms
- AC 'mV' Range (50Hz-1KHz) Trms : 60mV-600mV, Resolution: 0.01mV to 0.1mV, Accuracy : $\pm(1\%+5)$. Overload Protection: 1000V DC/AC rms.
- DC Current Range: 60mA-20A, Resolution: 0.01mA to 10mA, Accuracy : $\pm(1\%+5)$.
- AC Current Range (50Hz-500Hz) Trms : 60mA-20A, Resolution: 0.01mA to 10mA, Accuracy: $\pm(1.2\%+5)$.
- Resistance Range: 600 Ω - 60M Ω , Resolution: 0.1 Ω to 10K Ω .
- Capacitance Range (Auto ranging only) : 40nF - 4000 μ F, Resolution: 0.01nF to 1 μ F.
- Diode Test Range: 6V, Resolution: 1mV.
- Continuity Test Range: 600.0 Ω , Resolution: 0.1 Ω
- Frequency Range (Auto ranging only) : 10Hz-10MHz, Resolution: 0.001Hz to 1KHz.
- Duty Cycle Measurement Range: 0.1% to 99.9%, Resolution: 0.1%

GENERAL REQUIREMENTS

1. Calibration certificate traceable to national / international standard to be provided.
2. Test and guarantee certificate is required.
3. Necessary spares should be supplied with the instruments for at least two years of trouble free operation.
4. One set of complete accessories should be supplied with the consignment to extend the testing capability and application of instruments.
5. Operation and maintenance manual with detailed circuit diagram, schematics should be supplied with the consignment.
6. Instrument should have protection against incorrect connection, transient surges, output saturation, zero start interlock, short circuit and overload condition.
7. Instruments should be ideal for shop use with light weight, portable and shielded against external charges.
8. BHEL testing engineer and maintenance person should be trained at BHEL Jhansi works in the area of operation and maintenance for instrument.
9. Commissioning spares required for commissioning of the instrument should be available at the time of commissioning at BHEL Jhansi works.
10. If any safety/environmental protection is required, it should be provided in the instrument by the vendor.



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