

# LBS COLLEGE OF ENGINEERING ,KASARAGOD

## QUOTATION NOTICE

No.D-1449/2024-1

Date: 08.12.2025

Sealed competitive Quotations are invited by the Principal, LBS College of Engineering, Kasaragod from authorised dealers for the supply of various equipment in the laboratories and work shop of EEE Department of this Institution.

Quotations should be super scribed "Quotations for the supply of items in EEE Department against Quotation No **D-1449/2024** due on 19.12.2025. The rates quoted should be for the Supply of the items at LBS College of Engineering, Povval, Muliya PO, Kasaragod. Quotations received after the time fixed on the due date is liable to be rejected. Maximum period required for the delivery of the items should also be mentioned.

The prices quoted should be inclusive of all taxes. The quotationer shall also quote the percentage of rebate/discount if any offered by them against the items. Special conditions if any or printed on quotation will not be applicable to the contract unless they are explicitly accepted in writing by the undersigned.

Due date and time for receipt of quotation : 19.12.2025 2 PM

Date and time of opening the quotation : 19.12.2025 3 PM

Date up to which the rates are to remain firm  
for acceptance : 6 Months


To whom the quotation is to be addressed : The Principal,  
LBS College of Engineering  
Muliya (P O),  
Kasaragod-671542.

**Encl:** Specification of item

Copy To:

- 1 College Website
- 2 HOD, EEE
- 3 Notice Board



  
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## **SPECIFICATION — TRUE RMS DIGITAL MULTIMETER**

Item Name: True-RMS Digital Handheld Multimeter

Quantity: 4 Nos

make/model: Any reputed make (e.g., Sigma / HTC / equivalent) meeting the specifications below.

### **1. Mandatory Technical Specifications**

- True-RMS measurement for AC voltage/current.
- Display: Minimum 4000 counts.
- DC Voltage range: up to 600 V.
- AC Voltage range (True RMS): up to 600 V.
- DC Current range: up to 10 A (fused).
- AC Current range: up to 10 A (if available).
- Resistance measurement up to at least 20 MΩ.
- Capacitance measurement up to 10 μF – 9 mF.
- Frequency measurement up to at least 1 MHz.
- Continuity and Diode Test with audible buzzer.
- Autoranging preferred; manual range acceptable.
- Input protection and fuse protection for current ranges.
- Accuracy: DCV  $\pm(0.5\% + \text{digits})$ , ACV  $\pm(1.0-1.5\% + \text{digits})$ .
- Operating temperature: 0–40°C.
- Clear LCD display with 3½ digits.

### **2. Safety, Standards & Labeling**

- Safety rating: CAT II 600 V (or equivalent).
- Device must be double-insulated or equivalent.
- CE marking or equivalent certification; datasheet/manual must show safety category.

### **3. Hardware & Accessories**

- One pair of insulated test leads rated to the multimeter's maximum voltage/current.
- User manual and datasheet in English.
- Battery for operation included.
- Factory calibration certificate or vendor conformity declaration.

### **4. Uno R3 ATmega328P Compatible Development Board- Compatible with Arduino with cable - 2 Nos**

### **5. Warranty & Support**


- Warranty: Minimum 6 months against manufacturing defects.

### **6. Acceptance & Testing**

Items will be accepted after verifying basic functionality: DC/AC voltage, current, resistance, and continuity tests.

Nonconforming items will be rejected.



  
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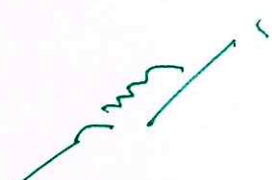
## TECHNICAL SPECIFICATIONS FOR OSCILLOSCOPE PROBES

**Quantity : 10 Nos**

**Item** : Oscilloscope Probe (P600 or equivalent)  
**Description** : Passive voltage probe suitable for use with Digital Storage Oscilloscope (DSO)  
**Type** : P600 series or equivalent, 1X/10X switchable, bandwidth 100 MHz or higher, compatible with standard DSOs.

Parameter	Specification
Type	Passive voltage probe
Attenuation Ratio	Switchable 1X / 10X
Bandwidth	Minimum 100 MHz (or higher preferred)
Input Resistance	1 M $\Omega$ $\pm$ 2% (at 1X) / 10 M $\Omega$ $\pm$ 2% (at 10X)
Input Capacitance	Approx. 20 pF at 1X / 15–25 pF at 10X
Compensation Range	10–30 pF adjustable
Maximum Input Voltage	Minimum 300 V (DC + AC peak) at 10X mode
Cable Length	Minimum 1.0 meter
Connector Type	BNC male connector (standard)
Accessories	Should include compensation adjustment tool, color rings, and grounding accessories (spring or clip)
Compatibility	Compatible with standard Digital Storage Oscilloscopes (Rigol, Tektronix, Siglent, Hantek, etc.)
Operating Temperature	0°C to 50°C
Safety Standard	300V or better



  
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### TECHNICAL SPECIFICATIONS FOR Galvanometer, Standard Cell

Sl No	Name of item	Qty
1	Galvanometer+30-0-30 $\mu$ A, Accuracy $\pm 2\%$ FSD	2 No
2	Standard cell, 1.0186V	2 Nos



  
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