

MODEL ENGINEERING COLLEGE
THRIKKAKA, COCHIN-21
PH:2577379,2575370

Ref no.A2/2525/17/MEC
Tender No.8/2017-18/MEC

dtd 5.03.2018

TENDER Extension Notice

Last date of receipt of the tender dated above for the purchase of Equipments for Biomedical department is extended to 9/3/2018, 11 am and will be opened on same date at 12 PM. All the other terms and condition remains the same.

Cost of Tender Form:

Original : 500 + 18% GST

Duplicate :300 + 18% GST

Tender form and details can be had from Model Engineering College, Thrikkakara. Mode of remittance by Cash payment at College Office. Those who apply for tender form by post should remit additional amount of Rs.50/- as postal charges. Agreement in stamp paper worth Rs.200/- to accompany tender. Further details available at www.mec.ac.in/ Tenders.

PRINCIPAL

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Ref no.A2/2525/17/MEC
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dtd 19.02.2018

Specification of Equipments of Biomedical Department

Sl. No.	Item	Specifications	Quantity
1.	Automatic BP monitor	Main Unit: Display: Systolic blood pressure, Diastolic blood pressure, Pulse. Indications for Irregular heartbeat, Out of recommended range, Deflation, Battery low, Provision for storing at least 10 readings. Pressure Cuff	1
2.	Function Generator	Frequency Range: Up to 3MHz Resolution:0.1Hz max Waveforms: Sine, Triangle, Square and TTL Output Amplitude:0-10Vpp (into 50Ω load) Impedance: 50Ω ±10% Attenuator:-40dB±1 dB X 1 DC offset control:-5V to +5V (into 50Ω load) Display:6 digits LED Display NB: The item shall be available for demonstration, if needed.	2
3.	Rheostat	1230 ohm, 0.3A Tolerance +20% to -5%, Wire wound Hexagonal steel tube, Self-lubricating graphite brush, HT test 2KV for 1 minute Maximum working voltage 500V	2
4.	Decade Inductance Box	10μH-10 H, 6 rotating dials, each with 10 steps, Accuracy 3%	2
5.	LVDT Trainer	Measurement Range: 20mm (±10mm) Excitation Frequency: below 10KHz Excitation Voltage: between 2 V to 10V Sensitivity:10mV DC/mm Display:3 ¹ / ₂ Digit LED with Polarity Indicator Multiple test points to be included (Min 5)	1
6.	ECG Simulator	Generated rate :30-300 beats/minute ECG Amplitude range:200mV-4V Low Pass Filter: Cut-off frequency -5KHz Leads: All 12 leads Heartbeat indication: Both LED and Audible (Buzzer) controls Separate output channels for four Limb and six Chest leads Provision to view the all 12 lead standard ECG waveforms simultaneously Test points to be included	2

7.	Digital Multimeter	<p>Accuracy:0.25% of measured value or more Measurement:3 3/4 digit Non-TRMS DC current measurement ranges:300μA to 10A AC current measurement ranges:3mA to 10A AC voltage measurement ranges :3V to 1000V DC voltage measurement 30mV to 1000V Resistant measurement :30Ω to 30MΩ Frequency measurement 300Hz to 100KHz Capacitance measurement:30nF to 30μF Diode and continuity testing Auto ranging/manual range selection Terminal protection for over range, over voltage and current Protective Rubber Holster for rough duty with stand facility Storage and updation of MIN/MAX values Auto Off</p>	5
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