

Calibration Charges: DP No. (3.03) DP Name: (Biomedical Metrology Section) (w.e.f. 01.04.2025)												EDC	
Sl. No.	Item Name	Item Type /Group	Parameter	Alias Name	Range	No of Points for Calibration	Limitation/ Condition	Charges per Item (Rs.)	Additional Charges (Rs.)	Description for Additional Charges	Remarks, if any	Normal	Tatkal
1	(i) Measured energy (J), (ii) Internal/load Resistance ( $\Omega$ ), (iii) Pacer Resistance (Ohm), (iv) Discharge Time (ms)	Defibrillator Analyser	Calibration of measured energy by Defibrillator Analyzer		50J, 100J, 150 J & 270 J (at 50 Ohm)	Four Points	Calibration charges are to be paid for a minimum of four energy (J) points	33,000/-	16,500/-	Extra points (any two): 5J, 10J, 20J, 30J, 70J, 200J, 300J, 360J	<b>Total Calibration charges for four points are (Rs. 33,000/-)</b>	3 weeks for 4 minimum points & 4 weeks for extra	5 working days for minimum points & 7 working days for extra
2	Pulse Energy (J), Pulse Current (mA), Pulse Width (20 ms), Pulse Rate (Hz)	Pacer Analyser	Calibration of Transcutaneous Pacer Analyser		Pulse Width (20 ms), Pulse Current (5mA, 10mA, 50mA, 100mA, 150mA- Any three points) Pulse Energy corresponding to above mentioned Pulse Current, Pulse Rate (1Hz, 2 Hz, 3.5 Hz)	Ten Points	Calibration charges are to be paid for a minimum of three points from each range	11,900/-			<b>Total calibration charges for three points in each range are Rs. 11900/-</b>	3 weeks	5 working days
3	(i) Voltage (V) (ii) Frequency (Hz)	ECG Simulator	Calibration of Voltage & Frequency of ECG Simulator		(i) 3 & 5 mV amplitude for Sine waveform and Normal Sinus waveform (ii) Sine waveform: 60 Hz, Square waveform: 2 Hz, Normal Sinus waveform: 1 Hz, 2 Hz & 3 Hz	Nine Points	Calibration charges are to be paid for a minimum of nine points.	9,600/-	1,070/- per point	Extra points (Any one): (i) Voltage: 4 mV amplitude for Sine waveform & Normal Sinus waveform (ii) Frequency: Sine waveform: 100 Hz & 150 Hz; Normal Sinus waveform: 4 Hz & 5 Hz	<b>Minimum calibration charges for 9 points (Rs. 10,670/-) are to be paid</b>	3 weeks for minimum points & 4 weeks for extra points	5 working days

4	(i) Voltage: DC & AC (V), (ii) Resistance: Point to Point & Insulation resistance ( $\Omega$ ), (iii) Current: DC & AC (A)	Electrical Safety Analyser (ESA)	Calibration of Electrical Safety Analyzer		DC Voltage: 500 V; AC: Voltage: 1V, 10V, 100V, 250V-(Any 3 points) Resistance (Point to Point: 1 $\Omega$ ; Insulation resistance: (0.5 M $\Omega$ , 50 M $\Omega$ , 90 M $\Omega$ @ 500 VDC), Current (DC: 10 $\mu$ A, 100 $\mu$ A, 1 mA & 6.5 mA; AC: 1 mA & 6.5	Total 14 Points	Calibration charges are to be paid for a minimum of 14 points.	17,600/-	1,260/- per point	additional points for voltage (DC: 250 V), resistance (Insulation resistance: (0.5 M $\Omega$ , 50 M $\Omega$ , 90 M $\Omega$ @ 250 VDC)	<b>Calibration charges for a minimum of 14 points (Rs. 17,600/-) are to be paid</b>	3 weeks for minimum points & 4 weeks extra points	5 working days for minimum points & 7 working days for extra points
5	(i) Flow Rate (ml/hr) (ii) Occlusion Pressure (kPa)	Infusion Pump Analyzer	Flow rate of Infusion Pump Analyzer		50 ml/hr, 100 ml/hr & 300 ml/hr	Three Points	Calibration charges are to be paid for a minimum of three points.	20,900/-	6,970 per point	Extra points (any one): 10 ml/hr, 200 ml/hr & 900 ml/hr	<b>Total calibration charges for 4 points are Rs. 27,870/-(for single channel)</b>	3 weeks for a minimum of four points	5 working days for minimum points & 7 working days
									6,970 per point		<b>Total calibration charges for 6 points are Rs. 41,810/- (for single channel)</b>	4 weeks for 6 points	7 working days
6	Temperature, Humidity, Air flow, Sound pressure level	Incubator Analyzer	Incubator Analyzer		Temperature (5 °C, 32 °C and 45 °C for temperature sensor, 10 °C and 40 °C for puck, 2 °C and 58 °C for thermocouple), Relative Humidity (30 % and 80%), Air flow (0.3 m/s and 1 m/s) and Sound pressure level (94 dB)	Twelve points	Calibration charges are to be paid for a minimum of Twelve points.	29,300/-			<b>Total calibration charges for 12 points are Rs. 29,300/-</b>	3 weeks	5 working days