

## Calibration Charges :DP2.01a (w.e.f 01.04.2021)

### DC Voltage ,DC Current, DC resistance & DC Charge

Sl. No.	Parameter	Item Type / Group	Item Name	Alias Name	Range	No of points for calibration	Limitation /Condition	Charges as per CSIR guidelines	Additional Charges Rs.	Description for Additional Charges
1	DC Voltage	DC voltage source	Nanoscan DC Voltage Standard	Zener Reference Standard	1,1.018 & 10V	1 to 2 points		<b>86900</b>	23760	For each additional 1 point
2	DC current	DC current source	Transconductance Amplifier (upto 20A)		1 microA to 20A	3 points (one range)		<b>64900</b>	13530	For each additional 3 point
3	DC current	DC current source	Transconductance Amplifier		1 microA to 100A	3 points (one range)		<b>86900</b>	13530	For each additional 3 point
4	DC resistance	DC standard resistor/DC resistance source	Fixed value resistor and high current shunt		0.1micro ohm to 1Tera ohm	one point (for each volts/current) Current range up to 2000A Voltage range up to 1G/1000V		<b>33000</b>	33000	For each additional 1 point
5	DC resistance	High resistance meter		High resistance meter	10micro ohm to 1Teraohm	3 points (one range)		<b>86900</b>	13530	
6	DC Voltage ,Current & resistance	DC Voltage ,Current & resistance source	DC Calibrator 7& 1/2 dgit & above	Calibrator	10microV to 1kV ,1 microA to 20A , 1ohm to 10 Giga ohm	3 points (one range)		<b>116270</b>	13530	For each additional 3 points in one range
7	DC Voltage ,Current & resistance	DC Voltage ,Current & resistance meter	Digital Multimeter 7& 1/2 dgit & above	DMM	10microV to 1kV ,1 microA to 20A , 1ohm to 10 Giga ohm	3 points (one range)		<b>116270</b>	13530	For each additional 3 points in one range
8	DC current	DC current source /meter	current source/pico ammeter/ electrometer		1pA to 10mA	3 points per range		<b>57200</b>	8800	For each additional 3 points in one range
9	DC charge	Charge ampliofier	Electrometer/ charge amplifier		100pC to 2 μC	3 points per range		<b>57200</b>	8800	For each additional 3 points in one range
10	DC Voltage ,Current & resistance	DC voltmeter	Nano voltmeter		100nV to 100V	3 points per range		<b>37400</b>	7040	For each additional 3 points in one range
11	DC current	DC current source	current coil		0 to 20A			<b>18700</b>	0	
12	DC voltage & current	DC voltage & current source	DC power supply		up to 1000V & 20A			<b>15400</b>	0	
13	DC charge	Charge Amplifier	coloumb meter		2 μC to 1 nC			<b>19800</b>	0	
14	DC & AC Voltage , current & resistance	DC & AC Voltage , current & resistance Meter	Digital multimeter 6& 1/2 digit	DMM	DC Parameters: 10 m V - 1 kV, 1 A - 20 A, 1 Ohm -100 M Ohm AC parameters: 1 mV – 1000 V(10 Hz – 1 MHz),1 mA – 20 A(40 Hz – 10 kHz)	In DC : 3 points (one range) In AC :3 frequency points and at each frequency - 3 Voltage and 3 Current levels covering the entire range of DUC (Total: 9 + 9 = 18 points)		<b>16940</b>	1650	For each additional 3 points in one range
15	DC Voltage ,Current & resistance	DC Voltage ,Current & resistance source	DC Calibrator 6& 1/2 dgit	Calibrator	10microV to 1kV ,1 microA to 20A , 1ohm to 10 Giga ohm	In DC : 3 points (one range) In AC :3 frequencies & seven levels for AC voltage & current		<b>65105</b>	9900	For each additional frequency or points
16	DC Voltage ,Current ,resistance , RTD , Thermocouple	DC Voltage ,Current & resistance source & measure	Hand Held Calibrator 5& 1/2 dgit	Hand Held Multi function calibrator	10microV to 1kV ,1 microA to 20A , 1ohm to 10 Giga ohm	At discrete points		<b>37204</b>	1100	For each points

