

Laboratory	Delta Power Solutions India Pvt. Ltd., Pot No. 38, Sector -05, SIDCUL Rudrapur, Uttarakhand		
Accreditation Standard	ISO/IEC 17025:2005		
Discipline	Electro-Technical Calibration	Issue Date	15.01.2016
Certificate Number	C-0594	Valid Until	14.01.2018
Last Amended on	18.01.2016	Page	1 of 2

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
<u>SOURCE</u>			
1. DC VOLTAGE^{\$}	1 mV to 54 V 54 V to 1000 V	5.7 % to 0.05 % 0.05 % to 0.06 %	Using Fluke 5500 A by Direct Method
2. DC CURRENT^{\$}	1 mA to 1 A 1 A to 10 A 50 A to 550 A	0.57 % to 0.7 % 0.2 % to 0.01 % 1.88 % to 0.98 %	Using Fluke 5500 A by Direct Method
3. AC VOLTAGE^{\$}	50 Hz 1 mV to 600 V	7.42 % to 0.075 %	Using Fluke 5500 A by Direct Method
4. AC CURRENT^{\$}	50 Hz 1 mA to 10 A 50 A to 550 A	0.58 % to 0.17 % 2.44 % to 1.6 %	Using Fluke 5500 A by Direct Method
5. DC RESISTANCE^{\$}	1 Ω to 100 Ω 100 Ω to 1k Ω 1 k Ω to 32 M Ω	5.8 % to 0.07 % 0.07 % 0.075 to 0.12 %	Using Fluke 5500 A by Direct Method
6. CAPACITANCE^{\$}	50 Hz to 1 kHz 1nF to 1 μ F 1 μ F to 329 μ F	1.8 % to 0.7 % 0.7 % to 1.3 %	Using Fluke 5500 A by Direct Method
7. AC POWER^{\$} AT UPS @ 1 P.F.	2 W to 100 W 100 W to 1 kW 1 kW to 6 kW	3.75 to 2.3 % 2.3 % to 6.3 % 6.3 % to 1.7 %	Using Fluke 5500 A by Direct Method
8. FREQUENCY^{\$}	50 Hz to 1 kHz	0.012 % to 0.06 %	Using Fluke 5500 A by Direct Method

Ram Ashray
Convenor

Avijit Das
Program Manager

Laboratory Delta Power Solutions India Pvt. Ltd., Pot No. 38, Sector -05, SIDCUL
 Rudrapur, Uttarakhand

Accreditation Standard ISO/IEC 17025:2005

Discipline Electro-Technical Calibration **Issue Date** 15.01.2016

Certificate Number C-0594 **Valid Until** 14.01.2018

Last Amended on 18.01.2016 **Page** 2 of 2

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
9. OSCILLOSCOPE^{\$}			
TIME BASE	1uS to 1 mS	0.057 %	Using Fluke 5500 A by Direct Method
AMPLITUDE	100 mV to 10 V	1.6%	
SINE WAVE GENERATOR	50 Hz to 1 kHz 100 mV to 3.3. V	3.7%	
LEVEL SINE WAVE GENERATOR 3.3 V	50.000 kHz to 200 MHz	4.8% to 6.13 %	
<u>MEASURE</u>			
1. DC VOLTAGE^{\$}	1 V to 165 V	5.6 % to 0.1 %	Using Fluke 6.5 Digit Multimeter by Direct Method
2. AC VOLTAGE^{\$}	50 Hz 1 V to 300 V	5.77 % to 0.11 %	Using Fluke 6.5 Digit Multimeter by Direct Method

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

^{\$}Only in Permanent Laboratory

Ram Ashray
 Convenor

Avijit Das
 Program Manager