**Department of Physics, Indian Institute of Technology**

**IIT.P.O. Madras-600 036**

Ref. No. Date: 14 / 04 / 2017

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| **PHY** | **2017** | **016** | **STORES** |

To Whom It May Concern:

Dear Sir,  **Due date: 30 / 04 / 2017**

Please find below the specification of **4 Channel 4 kV/3 mA (4W) Desktop HV Power Supply**

we require for purchase. Kindly send us a quotation by the due date mentioned above.

Minimum specification for **4 Channel 4 kV/3 mA (6W) Desktop HV Power Supply**

(Quantity 1 – 5 nos. please quote unit price):

|  |  |  |
| --- | --- | --- |
| **4 Channel 4 kV/3 mA (4W) Desktop HV Power Supply** | | |
| **S. No** | **Parameters** | **Value** |
| 1 | Package | Desktop module in metallic housing |
| 2 | No. of Channels | 4 |
| 3 | Polarity | Positive & Negative switchable |
| 4 | Output Voltage | 0 ÷ 4 kV |
| 5 | Max. Output Current | 3 mA W max) |
| 6 | Voltage Set/Monitor Resolution | Set: 100 mV |
|  | Monitor: 20 mV |
| 7 | Current Set Resolution | 50 nA |
| 8 | Current Monitor Resolution | 10 nA (high range) / 1 nA (low range) |
| 9 | Current Set Maximun Value | 3100 µA |
| 10 | VMAX hardware | 0 ÷ 4100 V common to all board channels |
| 11 | VMAX hardware resolution | 20 V |
| 12 | VMAX hardware accuracy | 2% of FSR |
| 13 | Ramp Up/Down | 1 ÷ 500 Volt/sec, 1 Volt/sec step |
| 14 | Voltage Ripple | 12mVpp Typical |
|  | 20 mVpp Maximum |
| 15 | Vmon vs. Vout accuracy | ±0.05% of read ±1 V |
| 16 | Vset vs. Vout accuracy | ±0.05% of read ±1 V |
| 17 | Imon vs. Iout accuracy | ±2% of read ±100 nA |
| 18 | Iset vs. Iout Accuracy | ±2% of read ±100 nA |

**Accessories required**

The vendor is required to quote the following accessories which are compatible with the above instrument mentioned for purchase together and *will not be* used for price comparison.

Please provide a clear warranty statement.

Please send the quotation (technical and price details) by email (signed and scanned) OR hard copy before the due date.

Please mark reference number on top of the quotation.

Yours Sincerely,

**Sivarama Krishnan**

**Co-ordinator**

Department of Physics,  
 Indian Institute of Technology Madras,  
 Chennai -  600036, India.

Telephone : +91 44 2257 4856