

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/825/16/RIT

Dated: 19.06.2017

TENDER SCHEDULE

Superscription	: Tender No.D3/825/16, Purchase of a current probe with current amplifier for the use of EEE Department
Last date and time receipt of tender	: 28/07/2017 11 a.m
Date and time of opening of tender	: 28/07/2017 2 p.m
Last date and time of sale of tender form	: 27/07/2017 2 p.m
Date upto which the rates are to be firm	: 31/03/2018
Cost of tender form	: Original Rs.630/- including 5% VAT Duplicate Rs.315/- " " By Post Rs.665/- incldes VAT& Postal charges
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, VELLOOR P.O, PAMPADY, KOTTAYAM, KERALA, PIN - 686 501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

List of items required

Sl.No.	Item	Specification	Quantity
1	Current probe with current amplifier	Detailed specification attached	1

Current probe with current amplifier

Specifications:

Bandwidth: DC — 100 MHz

Rise time: ≤ 3.5 ns

DC accuracy : $\pm 3\%$ of reading

DC accuracy, typical : $\pm 1\%$ of reading

Lowest measurable current (at $\pm 3\%$ accuracy at DC) Scope set to 1 mV/div and 20

MHz BW limited: 1 mA

Maximum Amp-Second product, typical (Based on amplifier range setting):

50 A $\cdot\mu$ s — A/V

500 A $\cdot\mu$ s — 10 A/V

Maximum wire voltage, bare insulated:

150 V CAT II

300 V CAT II

AC-coupling low-frequency Bandwidth, typical (Low pass — 3 dB point): < 7 Hz

Displayed RMS noise, typical (at 20 MHz bandwidth limit): $250 \leq 2$ μ .ARMS

Signal delay (to output BNC): 17 ns

Insertion impedance:

0.11 Ω at 1 MHz

0.12 Ω at 10 MHz

0.35 Ω at 50 MHz

0.7 Ω at 100 MHz

Maximum current ratings

High-current sensitivity:

Range: 10 A/V

DC (continuous) : 30 A

RMS (sinusoidal) :21.2 A

Peak :50 A

Low-current sensitivity:

Range: 1 A/V

DC (continuous): 5 A

RMS (sinusoidal) :3.5 A

Peak: 50 A

Temperature:

Operating: 0 °C to +50 °C (32 °F to 122 °F)

Nonoperating: -40 °C to +75 °C (-40 °F to 167 °F)

Accessories

Cover, large probe protective

Case, transit; current measurement systems

50 Ω feed through termination

50 Ω BNC-to-BNC coaxial cable

Interface cable for current amplifier to Tektronix TDS series oscilloscopes

Current loop, 1 turn, 50 Ω , BNC connector

User manual

Warranty

One year (onsite)