

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Electrical Engineering

Enquiry No.: - **EE/SA/INQ/2017-18/14**

Opening Date: - 02/02/2018

Closing Date: - ~~22/02/2018~~ ~~26/02/2018~~ 05/03/2018

Sub: Inquiry for Accessories for Frequency Response Analyzer

We are interested in purchase of accessories for existing frequency response analyser (Bode 100). Our organization is an educational institute of repute and liable to get **educational discount** from the manufacturer / supplier. Please specify the discount separately.

Please send your **Sealed Quotation** to the undersigned for the same. The envelope should be marked as **“Accessories – FRA EE/SA/INQ/2017-18/14”**

Items required:

Item required	Specifications	Quantity
EMI Test Bundle (Compatible with Bode 100)	<ul style="list-style-type: none"> • 6 cm Loop (EM-6993) • 3 cm Loop (EM-6994) • 1 cm Loop (EM-6995) • 3.6 cm Ball (EM-6996) • Stub (EM-6997) • 0.1 Hz - 100 MHz Ultra Low Noise Preamp (Maximum Vcc : +/- 12V) (Maximum Icc : 20mVpp) (Maximum input voltage : +/- 300mV) • High PSRR Power Adapter (Universal AC input voltage : 100 to 220 V at 50 Hz) (+/- 12V, 40mA output) • Should be compatible with bode 100 • 1 Year Warranty 	1
External Power Amplifier (Compatible with Bode 100)	<ul style="list-style-type: none"> • Amplify Bode 100 output signal by 10dB or more • Measuring very low impedance values • Measure voltage dependent capacitance values (chip capacitance) • Generating more power in noisy environments such as measurements on high-power DC/DC converters or AC/DC converters • Optimized for use with Bode 100 • Flat frequency range: DC – 50 MHz • Impedance measurement ports • Should be compatible with bode 100 • 1 Year Warranty 	1

Active Differential Probe (Compatible with Bode 100)	<ul style="list-style-type: none"> • Avoids grounding problems • CAT III compliant measurement input (maximum input voltage 1000Vrms) • CE compliant • Bandwidth : DC to 25MHz (-3dB) • Powered by mains adapter or battery cells • Usable frequency range: DC to 25 MHz • Attenuation ratio 1/10 or 1/100 • Maximum Voltage difference : 50V rms for 1:10 : 500V rms for 1:100 • Should be compatible with bode 100 • 1 Year Warranty 	2
Low Frequency Injection Transformer (Compatible with Bode 100)	<ul style="list-style-type: none"> • Usable frequency range : 1Hz - 100 KHz • Input to Output transfer function of 1/0 for 1Hz to 1kHz • Absolute maximum current: 0.1 A • Should be compatible with bode 100 • 1 Year Warranty 	1
DC-Bias Injector (Compatible with Bode 100)	<ul style="list-style-type: none"> • Absolute maximum differential voltage : 50V • Maximum bias current : 5mA • 10 Hz to 10 MHz usable bandwidth • Should be compatible with bode 100 • 1 Year Warranty 	1
Common Mode Transformer (Compatible with Bode 100)	<ul style="list-style-type: none"> • Maximum Voltage : 50V • Usable bandwidth : 1 Hz – 100 MHz • Should be compatible with bode 100 • 1 Year Warranty 	1
Line Injector (Compatible with Bode 100)	<ul style="list-style-type: none"> • Usable frequency : 10Hz – 10MHz • Maximum Voltage : 50V • Maximum Current : 5 A • Should be compatible with bode 100 • 1 Year Warranty 	1

Note:

1. In case you are not manufacturer of the product, your quotation shall contain Authorization Letter from manufacturer.
2. Quotation must be valid for minimum of 60 days.
3. Delivery period should not be more than 8 weeks. And delivery should be CIF New Delhi or CIF IIT Kanpur
4. IIT Kanpur is exempted under 51/96 from payment of IGST. Suitable CDEC certificate can be provided by IIT Kanpur if required.
5. As per Notification No. 45/2017-Central Tax (Rate) dated 14/11/2017, IIT Kanpur has been allowed for GST rate of 5%. Suitable certificate can be provided by IIT Kanpur if required.
6. Send complete detail / brochure of the product(s).
7. Payments terms: Letter of credit (LC) or 100% after successful installation and commissioning.
8. Price must include installation, taxes and all charges.
9. Ambiguous offers, without suitable technical documentation, not mapping compliance to required specifications, may be rejected without any further notification
10. Mere compliance is not sufficient, the technical details must be supported by detailed technical datasheets of the offered product(s)
11. The Institute reserves the right of accepting and rejecting any quotations without assigning any reason.

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