



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai - 400076

PR No. 1000026458

Rfx No. 6100001140

Technical Specifications for Dynamic Mechanical Analyzer

- 1) Operating temperature (Range): -150°C to 400°C
- 2) Heating rate: 0-40°C/min
- 3) Cooling rate: 0-40 °C/min
- 4) Frequency range (sensitivity): 0-500 Hz (0.001)
- 5) Force range (sensitivity): -10 to +10 N (0.01N)
- 6) Displacement/strain range (sensitivity): 1000µm (1nm)
- 7) Modulus range (sensitivity): 10^2 to 10^{15} Pa (0.001 Pa)
- 8) Geometry options: Single cantilever
- 9) Dual cantilever
- 10) 3-point bending
- 11) Compression
- 12) Tension
- 13) shear
- 14) Fluid immersion bath should be available
- 15) TMA mode should be available
- 16) Humidity chamber should be available
- 17) UV photo chamber option should be available
- 18) Warranty: Minimum 24 months

Terms and conditions:

- Installation and training will be the responsibility of the Vendor.
- All other necessary equipment (such as liquid nitrogen dewar and can, thermal jackets, compressor units, PC, if any) that are required to run the instrument should be provided by the vendor.
- Quoted prices should include all components.