**Rheometer**

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| https://lh7-rt.googleusercontent.com/docsz/AD_4nXfGFtUF883ADSaCzY7AMEfGFiWbFbGte2yfhj4GFQ0h9J02KONCrNUM2IB0EwLHQp0RCEm3cgQUGIPG32mn-aUR8WCXn1m38qQtXwshfCgeBfAXd6ludPo9aWon2hc5iCeWlHUNBsNQG6L_-CKpn8WaaWcAAzhqeVazRNf12UUHI9KPBSnLAw?key=OJp-hHYVWzLai4BFePm5F3Ix | **Name of the equipment:**  Rheometer  **Make & Model:**  Anton Paar & MCR 102 & MRD170/T  **I-Stem Registration ID-**  3224914  **Category of Instrument**  Characterization and Testing Tool  **Types of Analysis / Testing**  Testing  **Application:**  Friction and Wear characteristics of Ball Samples |

**Booking Details**

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| **Book through I-STEM:**  <https://www.istem.gov.in/>  **Slot Booking Link**  [I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/24914/Rheometer-and-accessories) | **Booking available for**  Internal and External Both  **Requisition form for**  Internals  Externals |

**Contact Details**

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**Description and Technical Specifications**

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| **Description of Instrument:** This instrument is used to measure the way in which a viscous [fluid](https://en.wikipedia.org/wiki/Fluid) [flows](https://en.wikipedia.org/wiki/Fluid_dynamics) in response to applied forces. |  |
| **Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)**   |  |  | | --- | --- | | Min Torque Rotation | 5nNm | | Max Torque | 200nNm | | Max Speed | 314rad/s | | Normal Force Range | 0.01 to 50N | |  |

**User Charges Rs. (GST Extra)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 100/- per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 500 + 18%GST per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 500 + 18%GST per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) | 1000 + 18%GST per hour per sample (i.e. If the time taken to test a sample exceeds 1 hr then the user charge will be based on per hour) |