

Department of Physics, IIT Kanpur

**RHEOMETER FACILITY**

**Rheometer Model: MCR 702e Space MultiDrive**

The Professor in-charge of this facility Dr. Krishnacharya ([kcharya@iitk.ac.in](mailto:kcharya@iitk.ac.in))

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This facility was established with the help of DST FIST-2021 funding.

MCR 702e Space Multidrive rheometer is a high-end model of the new MCR Evolution series and is the most versatile rheometers available. Alongside all standard rheological test modes, this can also be equipped with an additional lower drive unit or an optical/confocal microscope. The combination of two air-bearing-supported rotational drive units enables you to perform rheological measurements in Combined Motor Transducer (CMT) mode and in Separate Motor Transducer (SMT) mode. The machine is also equipped with a heating stage suitable for plate & cones with temperature range from room temperature to 300°C. See the website below for detailed specifications:

[https://www.anton-paar.com/in-en/products/details/rheometer-mcr-702-multidrive/?srsltid=AfmBOoqlMVWPbycYPSpCiYj1DpoUh5\\_PmrqAMPCH74XYsa02UrrKM4M&prd=31054](https://www.anton-paar.com/in-en/products/details/rheometer-mcr-702-multidrive/?srsltid=AfmBOoqlMVWPbycYPSpCiYj1DpoUh5_PmrqAMPCH74XYsa02UrrKM4M&prd=31054)

- Slots are available on a payment basis to assist in the expenses for consumables and the device maintenance.
- The payments need to be made to the account of Project No. LDA/IITK/PHY/2023395.
- The charge for a two-hour slot is following:

Users from Physics department	₹ 250
Users from Other departments/Institutes	₹ 1500
Users from Other Industries	₹ 3000

- Users can request booking slots through either online portal (<http://172.28.37.81/booking/>) or offline booking form attached below.

# INDIAN INSTITUTE OF TECHNOLOGY KANPUR

## DEPARTMENT OF PHYSICS

### RHEOMETER BOOKING REQUEST FORUM



#### For TA's USE Only

Booking Number		Booking Date	
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<b>User Details</b>	Name		Roll No./PF	
	Supervisor's Name		Phone No.	
	Department		Email	
	Project No.		Project Expiry Date	
	No. of slots (Each slot is of 2 h)			

#### Data to be filled by the User

Type of Sample(s)			
Material(s) of Sample			
No. of Sample(s)			
Details of the Experiment			
Other Details (If any)			
Kindly transfer Rs		From Project No.	
Expiring on		To account number	LDA/IITK/PHY/2023395

Signature of User

Signature of Head/PI/Supervisor

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Instrument charges (per 2 hrs)	
Users from Physics department	₹ 250
Users from Other departments/Institutes	₹ 1500
Users from Other Industries	₹ 3000