

# Digital Torsion Testing Machine



- Suitable for Torsion and Twist tests on various meta rods and flats.
- Torque measurement by Torque cell & angle of twist on LCS display provided on Data Acquisition System.
- Torque resolution 0.01% of machine capacity for entire range.
- Angle of twist resolution is 0.1 degree.
- Accuracy of Torque measurement  $\pm 1\%$  in the range from 4% to 100% of machine capacity.
- Provisions to conduct test slowly by a handle which facilities finding Modulus of rigidity "G".
- Facility for connecting to the computer
- Various models maximum Torque capacity from 100 NM to 3000NM.
- Machine meet the requirement of IS : 5075 1969

**Technical Data :**

Sr. No.	Specifications	Model				
		FTT-100-NM-D	FTT-200-NM-D	FTT-500-NM-D	FTT-1000-NM-D	FTT-2000-NM-D
1	Max. Torque capacity (NM)	100	200	500	1000	2000
2	Torque Ranges (NM)	0-100	0-200	0-500	0-1000	0-2000
3	No. of Divisions on dial	500				
4	Torsion speed & directions	1.5 RPM reverse	1.5 RPM reverse	1.5 RPM reverse	1.5 RPM reverse	1.5 RPM reverse
5	Distance between grips (mm)	0-400	0-450	0-500	0-600	0-1000
6	Grips for round bar of dia (mm)	4-8 8-12	7-10 10-15 15-20	10-17 17-24 24-30	10-18 18-26 26-34	20-30 30-40 40-50
7	Grips for flat bars (mm) width	2-8 25	3-10 30	5-12 40	5-15 50	10-20 60
8	(3 ph 440V, 50Hz, AC) Motor HP	0.5	0.5	1.0	2.0	3.0

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