

Analogue Torsion Testing Machine



Features :

- Suitable for Torsion and twist on various metal rods metal and flats
- Torque measurement by Pendulum Dynamometer system.
- Auto torque selector to adjust torque to specimen through gear box.
- Autographic Recorder for relation between torque and angle of twist.
- Accuracy $\pm 1\%$ of the true torque

Technical Data :

Sr. No.	Specifications	Model				
		FTT-100-NM	FTT-200-NM	FTT-500-NM	FTT-1000-NM	FTT-2000-NM
1	Max. Torque capacity (NM)	100	200	500	1000	2000
2	Torque Ranges (NM)	100,50,20	200,150,50	500,250,100,50	1000,500,250,100	2000,1000,500,200
3	No. of Divisions on dial	500	500	500	500	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

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 Moduls 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



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