



Over 60 years of consistent excellence

Electronic Torsion Testing Machine

Model : TTE



Electronic Control Panel
(Series : 9901) :



Features

- Torsion Testing Machine is designed for conducting torsion and twist on various metal wires, tubes, sheet materials. Torque measurement is by torque transducer system.
- Torque can be applied to specimen by geared motor through gear box. Autographic recorder gives the relation between torque and angle of twist.
- The accuracy of torque indication is $\pm 1\%$ of the true torque.

The electronic control panel is built using 8085 microprocessor which incorporates state of the art technology with following features -

- Front panel membrane type key board for test setup.
- 7 seg digital display of load displacement/extension.
- Printer port interface.
- Serial port for communication with PC.
- Storage of important parameters such as peak load & maximum displacement after test.
- Preload selection to take care of initial slippage.
- Optional real time graph & PC software.



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Technical Data :

Models	Unit	TTE-6	TTE-10	TTE-20	TTE-50	TTE-100	TTE-200	TTE-300	TTE-600
Max. Torque capacity	Nm	60	100	200	500	1000	2000	3000	6000
Least Count	Nm	0.006	0.01	0.02	0.05	0.01	0.02	0.03	0.06
Torsion Speed	RPM	1.5	1.5	1.5	0.5	0.5	0.5	0.5	0.5
Clearance between Grips	mm	0-420	0-420	0-420	0-500	0-600	0-1000	0-1000	0-1500
Grips for Round Specimens	mm	4-8 8-12	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	30-40 40-50 50-60	40-50 50-60 60-70
Grips for Flat Specimens	mm	1-5	2-8	3-10	5-12	5-15	10-20	15-25	25-40
width mm		25	25	30	40	50	60	60	70
Motor (400-440 V, 3 Phase & 50 Hz)	HP	0.5	0.5	0.5	0.5	1.0	1.0	1.5	3.0

- Machines upto 25000 Nm. Capacity will be available on special enquiry.
- FIE reserves the rights of change in above specification due to constant improvements in design.



Fuel Instruments & Engineers Pvt. Ltd.

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