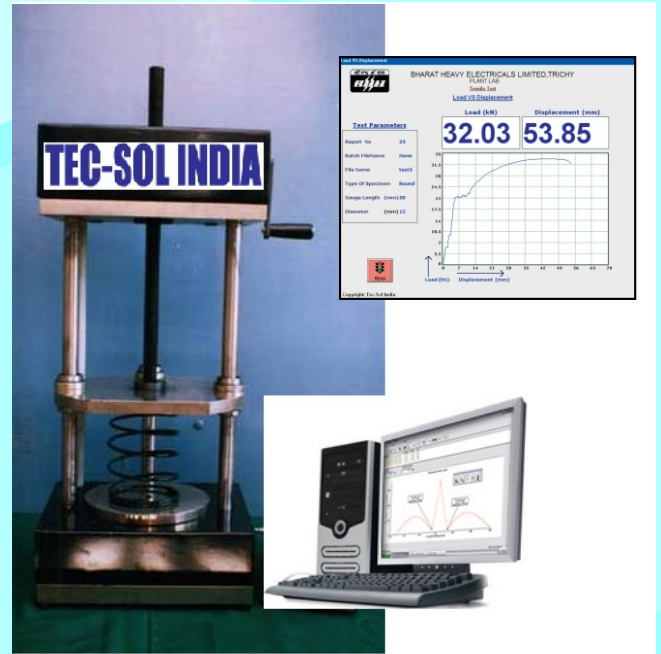


COMPUTERISED SPRING LOAD TESTING MACHINE

Tec-Sol Tensile Testing Machine is adopting the Computer control technology. Now, you can analyse the complete test results including elongation, stress, strain, peak value and average value. It records the entire testing process in the PC. We can also get On-line graph of Load vs Displacement. The Reports are generated with all your complete details like company name, logo, date, time of testing etc. Your customer shall get impressed.

Digital Indicators- Special Features

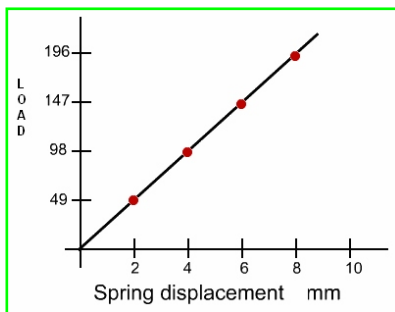
1. High Resolution : 1,00,000 counts, so for 250 Kg, the resolution is 0.0025
2. High Sampling Rate : 10 or 80 Samples per second
3. Displacement Resolution 0.01mm
4. Interface: To PC via RS232 Serial port.
5. Load setting for Maximum and Minimum Load.
6. Accuracy : +/- 1%
7. Speed 0-500mm
8. Auto Calibration : Now, press only few keys to calibrate. We have made it very simple.
9. Relay output with Min & Max set value
10. Software : Exhaustive evaluation software with provision for changing Units, setting the of Pre load, saving of Data, Storage of results, Printout as per the customer requirement, Speed setting, batch testing, Statistical evolution and many more.



COMPUTER CONTROLLED SPRING TESTING MACHINE

LIST OF ADVANTAGES OF COMPUTERISED SYSTEM OVER ORDINARY MECHANICAL MACHINE

S. NO.	ORDINARY MECHANICAL SPRING TESTING MACHINE (OMM)	COMPUTERISED SYSTEM (CS)	FULLY AUTOMATIC SYSTEM (FAS) USING DC DRIVE
1.	Poor Load Resolution to be seen that too very carefully in the Dial.	High Load Resolution of 1,00,000 Counts, we can get accurate results in Computer itself.	SAME AS CS
2.	Low Displacement Resolution, To be seen in Scale, may not be accurate and Zero reset error can occur.	High Displacement, Results on the PC and automatic zero setting in the Control panel, no need of setting zero.	SAME AS CS
3.	Human Errors are possible to a great extent and while using the Handle.	Manual Control of the Handle and accurate readings of Spring Load Vs Displacement.	Fully automatic – No human interference and accurate readings. We can Control the Speed thru Software
4.	No storage of Test results possible.	Provision to Store and Retrieve all the Test Results for any period of Time.	SAME AS CS
5.	No On line graph possible. We can't see how the Load changes.	On line graph to see at what Load and How much Displacement.	SAME AS CS
6.	No print out of the Graphs possible	Print Out Reports format customised as per your requirement.	SAME AS CS
7.	Manual calibration, Time consuming, Not accurate etc..	Auto calibration – can be completed in one Press. No Moving parts so less Wear and tear, long life,	SAME AS CS
8.	Wear and tear of parts, as everything is mechanical, stricking of needle in the dial etc.	better durability, Professional and less time for testing.	SAME AS CS
9.	Test speed cannot be deined	Test speed cannot be defined.	Constant speed is achieved as set in the PC



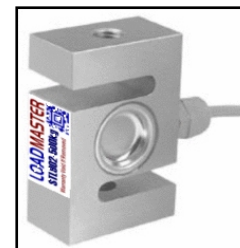
Spring Endurance testing Machine also available

Great Advantages :

1. Good Resolution of Load & Displacement
2. On line graph of Load & Displacement
3. Storage of data
4. Print out of results with graph and Load, Displacement values.
5. Can also be tested automatically in different Speeds, Selectable thru the PC. No need of human intervention till the test is completed, so that time is not wasted. Any type of Springs can be tested.

LOADMASTER

Loadcell



Variable

Frequency Drive



PANASONIC

Servo Drive & Motor



PEPPERL+FUCHS

Encoder



Manufactured by:

TSI TEC-SOLINDIA

4/323, Valluvar Salai, Ramapuram, Chennai-600089
 Tel: 42669298, 42669268 / Mob: 9551281433, 99419 12308
 Email : tcsolindia@live.com
 Website: www.tcsolindia.net