KALPAK'S K-Test Series

Computerized Spring Tester For Online Testing Of Springs





STM-01-C **Capacity 1 KG**

Features v

Drive Mechanism Testing Area

OUTPUT Software

Test Capability

5 Step Test Method

Safetv Accessories

Sample testing

Programming Display Control Mechanism



Capacity 25 KG

: Dual space i.e. above and below moving crosshead.

: Graphical as well as Tabular Report generation

Test as per the component to be tested.

and excellent length accuracy.

Spring rate, Free Length.

Through Computer Keypad.

PC Monitor display.

and Analysis.

loads

Hooks.

: Ball screw driven by variable speed drive for zero backslash

User friendly windows based software for Data storage, retrieval

Load test with Length input, Length Test with Load as input

Tests load v/s Deflection values at 5 programmed heights /

Emergency Stop. Over Travel Protection. Overload Protect ion. Grips for tension measurement Compression Test Fixture,

Enables user to program for Unlimited samples and select the



Capacity 300 KG



STM-1000-C Capacity 1000 KG

Kalpak Spring Testing Software v

Kalpak Spring testing Software is Windows based user-friendly software. It enables measurement of load and length as well as calculation of free height, deflection at preset length, Load at preset length, Spring Rate. The Test screen displays test results in Tabular and graphical formats. The software enables easy access to past results.

| | | | SPRIN | NG TE: | STER | | |
|----------|---|----------|-------------|--------------|------------|------------|---------------------|
| | C Ques |] per Ar | Debie | Organ | Access D | ut Setting | Reviet Egk |
| r Debrit | All Test Type [| 1 0 | Test Mode | | - Pass Ma | | - Spent |
| 137354 | 100000000000000000000000000000000000000 | | Sprie | ng Teut Tala | | 10000 | Constant States and |
| Sr.No. | Longitumi | Load(Kg5 | Longitimes) | Lond(Kg0 | Longthimmi | Lond(Kgf) | Spring Hate(Kgfin |
| 0001 | 824.58 | +68.56 | \$19.50 | +01.11 | 415.50 | +01.62 | 0.11 |
| 0001 | 824.58 | +68.58 | 819.50 | +00.12 | 645.50 | +01.68 | 8.108 |
| 0003 | 824.58 | +68.58 | 819.50 | +60.32 | 843.00 | +81.37 | 8.108 |
| 00034 | 824.52 | +65.52 | 819 52 | +01.13 | 621.10 | +01.63 | 8.11 |
| 0003 | 624.58 | +60.37 | 813.34 | +01.11 | 843.50 | +01.59 | 8.108 |
| 00006 | 824 58 | +62.55 | 819.58 | +01.12 | 811.50 | +01.63 | 8.12 |
| 0007 | 834 58 | +65.58 | 819.58 | +61.33 | 825.50 | +81.15 | 3104 |
| 0008 | 634.50 | +02.56 | 818.50 | +01.11 | 015.50 | +01.39 | 8.11 |
| 00079 | 824.58 | 488.57 | 819.58 | +01.11 | 843.58 | 101.58 | 0.108 |
| 0010 | 824.50 | +00.55 | 818.50 | +01.39 | 613.30 | +01.69 | 8.11 |
| 0011 | 824.58 | +68.55 | 819.58 | +60.13 | 815.50 | +01.62 | 0.116 |
| 0001 | 804.50 | +00.55 | 818.50 | +01.09 | 845.50 | +01.55 | 0.108 |
| 0003 | 824.58 | +88.54 | 818.50 | +01.68 | 845.56 | +81.54 | 0.108 |
| 0003 | 824.58 | +00.54 | 819.56 | +01.08 | 013.58 | +01.56 | 0.108 |
| 0004 | 824.58 | +92.54 | 819.50 | +01.88 | 015.50 | +01.55 | 8.108 |

Int Alan The Course State Date BREDOV 200500



STM-300-C Capacity 300 KG



STM-1000-C Capacity 1000 KG

Control Mechanism and Programming: Through PC > Drive Mechanism: res Testing Area: Output: Output: Software: Test Capability:

: PC based with unlimited memory storage facility.

5 Step test Method:

Safety: Accessories: Group testing : Ball Screws driven by AC servo Motor and AC servo Drive Dual Space i.e. below and above crosshead Test Parameters displayed on PC Monitor & reports on printer Kalpak STM-TESC Software for Machine Control, data acquisition and data analysis Load test with Length input, Length test with Load input, Spring Rate, free Length Tests Load versus deflection values at five programmed heights/loads Emergency Stop, Over Travel Protection, Overload Protection Grips & fixtures for tension & compression springs Unlimited group setting facility



• Choice of Models: Computerized/ Motorized/ Manual Interchangeable Torque cartridges

 Accurate Torque/ Angle Measurement • Accuracy: Better than +/-0.5% of the reading

E-mail :kalpakpune@vsnl.com, kalpakpune@gmail.com

www.kalpakinstruments.in

Tel. : +91 -20 - 24346802