

Model CS-100-3 load and Stress Indicator

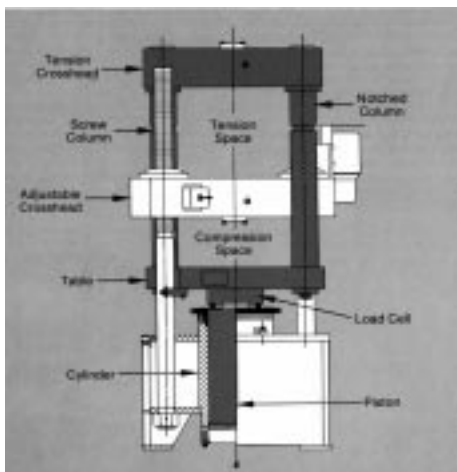
for tension and compression testing to ASTM requirements!

Specimen Type	Spec. ID	Spec. Len	Spec. Type	Length (in)	Area (sq in)	PK Load (lb)	PK Stress (psi)
1	120598	16.2937	1	1	2	0.064	1175
2	120598	16.3086	2	1	2	0.064	1176
3	120598	16.3037	3	1	2	8.08	9346
4	120598	16.7112	4	1	2	0.063	1284
5	120598	17.8166	5	1	2	0.064	1207

Statistical Summary	Low	High
PK Load	0.063	1284
PK Stress	1175	9346



CS-100-3 Table Top



The CS-100-3 Family features higher resolution, greater accuracy, faster sampling rates, increased storage capability and a simpler design for greater reliability and ease-of-use.

- Quality Control
- Product Evaluation
- Proof Testing
- Concrete Cylinder Testing
- Cement Cube Testing
- Beam Bend Testing
- Tensile Testing
- Compression Testing
- Force Calibration

Standard Features:

- Indicate Live Load, Peak Load, Live Stress, Peak Stress, Load Rate and Stress Rate.
- Select between engineering units of Lb, N, KN and Kg.
- Store up to 1,000 test results to permanent memory. Results include Date, Time, Specimen ID#, Specimen Type, Area, Peak Load, Peak Stress plus a statistical summary of Peak Load and Stress.
- Generate a hardcopy printout of the results on a 9-pin, 24-pin or laser printer. See diagram on reverse side for report format.
- Store up to six load cell calibrations for multiple load cell systems. The load calibration algorithm allows up to 10 calibration points per cell with piecewise linear fit between points. Accuracy exceeds ASTM E4 Standards and in general is greater than 0.5% from 1% of full scale to full scale.



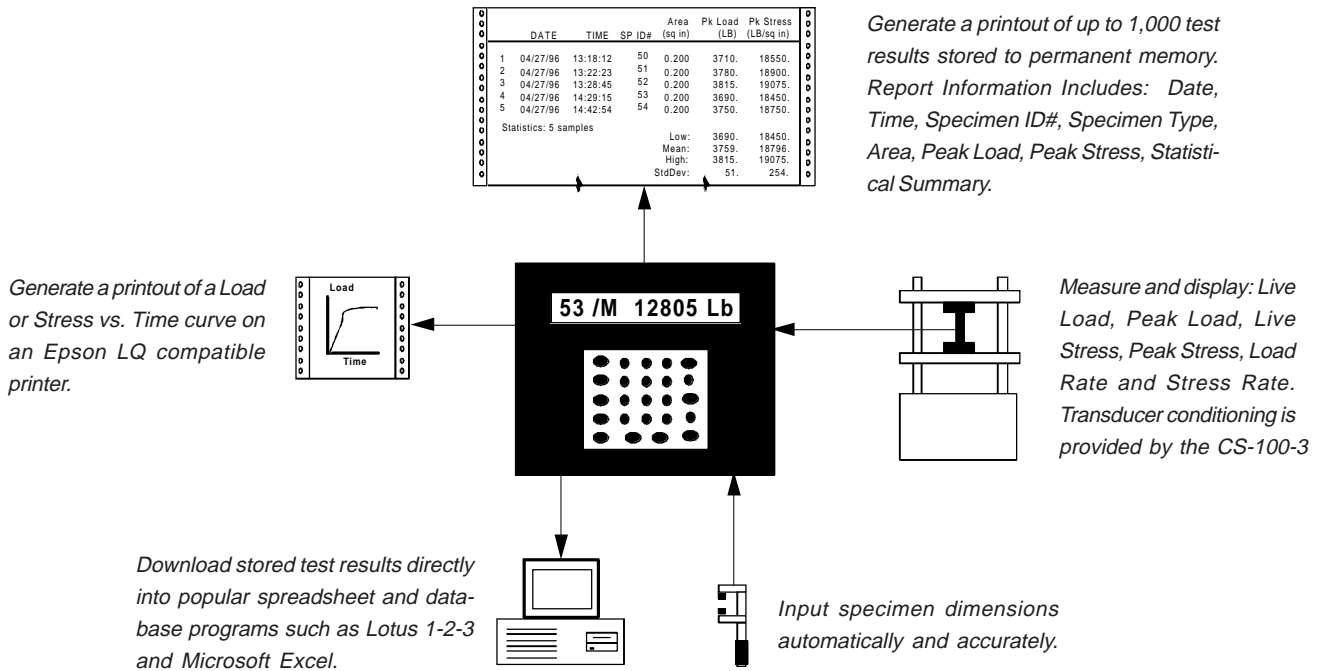
CALIBRATION SERVICES, INC.
 P.O. BOX 735 EMLENTON, PA 16373
 800-793-1870 FAX 888-214-4305 csis@csonline.net www.calibrationinc.com

Standard Features (cont'd)

- Print a Load or Stress vs. Time curve on an Epson LQ compatible printer.
- Activate Auto-Store to automatically store the results of each test.
- Activate Auto-Print to automatically print the results of each test.
- Define and detect the end of test with the Sample Break Detector.
- Connect to full bridge strain gage and high level output analog transducers.

Accessories

- WinCom Windows based serial communications software to import data into spreadsheet and database programs.
- S-Trak Specimen Tracking and Database System.
- Barcode Reader Input.
- Shunt Calibration.
- Serial RS-232 Printer.
- Pressure Transducers-1,000 2,500 5,000 10,000 psi.
- Input specimen dimensions automatically and accurately with the Electronic Gage Input.



Technical Specifications

Load Input Compatibility

Sensitivity: User selectable from 1mv/v to +/-5 Vdc.
 Excitation: 4.5 or 9.0 Vdc, User selectable.
 Accuracy: CS-100-3 plus Transducer - Better than 0.5% from 1% of full scale to full scale (Exceeds ASTM E4).
 Resolution: 1 part in 100,000 (approx.)
 Sampling Rate: 1000 Hz

Digital I/O Input/Output Compatibility: TTL

Display 16 character alphanumeric
 0.44" character height

Power Requirements 85-265 VAC 40-400 HZ

Dimensions

Size: 9.13"w x 6.06"h x 9.50"dp (Table Top)
 11.5"w x 10.25"h x 4.38"dp (Console)
 Weight: 7 Lb

Printer Compatibility

Test Results: Most 9-pin, 24-pin and DeskJet Printers.
 X-Y Plots: Epson LQ Compatible ONLY.

Ordering Information

Model#

CS-100-3T Table Top Mount
 CS-100-3C Console Mount

Accessories

WinCom Windows Serial Communications Software
 S-Trak Specimen Tracking and Database
 Barcode Reader Input
 Electronic Gage Input
 Shunt Calibration
 RS-232 Printer
 Pressure Transducers: 1,000-2,500-5,000-10,000 psi