

Advanced Test Equipment Rentals www.atecorp.com 800-404-ATEC (2832)



SPECIFICATIONS

1. MECHANICAL

VERTICAL OPENING—maximum distance between compression plates is 20 inches. HORIZONTAL OPENING-clear opening between columns is 8 inches.

CROSSHEAD TRAVEL-61/2 inches total. CROSSHEAD SPEED-adjustable from 1" to 12" per minute. Speed is held constant within 5% of max. speed under varying load.

2. DIGITAL DISPLAYS: %" red LED

FORCE (5 digits)

0 1b

LOW RANGE	HIGH RANGE
110.00 x 0.01	0-550.00 × 0.05
50000 v 0005	0.25000×0.02

ka 0-50.000 x 0.005 0-500.00 x 0.05 0-2500.0 x 0.2 N

DEFLECTION (5 digits)

0-6.500 x 0.001 in mm 0-165.00 x 0.02

3. ACCURACY

FORCE:

± 0.2% F.S. each range ± one count.

± 0.25% F.S.

DEFLECTION: SPEED OF TRAVEL: ± 5% of max. speed.

4. TARE ADJUSTMENT:

Sample and/or Fixture Weight can be removed from the displayed force value using the pushbutton zero. Up to 10% of the maximum force of the tension range in use can be tared out using the pushbutton zero without affecting the net capacity of the tester. Tare adjustment between 10% and 120% of capacity can be made via the same pushbutton with a resulting reduction in net capacity equal to the amount of the tare.

5. ANALOG OUTPUTS

For XY recorder with 0.5 Megohm impedence min

FORCE:	$0 \cdot \pm 550 \text{ lb} = 0 \pm 6.7$	Vdc (approx)
	$0 - \pm 110$ lb = 0 ± 1.3	Vdc (approx)
DEFLECTION:	$0.612 \text{ in} = 0.1 \pm 81$	Vdc (approx)

6. DIGITAL OUTPUT

A 30-pin connector on the back of the display cabinet provides digital output that is compatible with most parallel (Centronics) printers, serial printers or computer (RS232) interfaces.

7. LOAD CELL PROTECTION

The overload circuit breaker in the test stand trips and stops the motor long before the applied force reaches the safe load limit of the load cell.

8 MAX. HOLD/FORCE

When engaged, force display shows the largest value encountered during a test.

9 MAX HOLD/DEFLECTION

When engaged, deflection display shows the value at which MAX. FORCE occurred. (Active only when MAX. HOLD/FORCE is also engaged.)

10. POWER REQUIREMENT

Test stand 115 Vac-50/60 Hz-5A Display cabinet 115 Vac-50/60 Hz-0.5A

11. STANDARD EQUIPMENT

550 lb loadcel **Compression** Plates Tension Clevises (1 pair) 220 Volt operation (specify with order)

12. OPTIONAL EXTRAS

55 lb loadcell Extended columns-39" or 60" Longer Stroke-30" High speed motor-21/2 to 24 in/min Slow speed motor-1/4 to 3 in/min Gripping fixtures X-Y Recorder Printer



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