

UNIVERSAL TEST SYSTEMS 701 TESTER

The advanced 701 Universal Test System is ball screw driven test stands, excellent for affordable, precision tensile and compression testing of a wide variety of materials or products up to 500 pounds. This variable speed tester has increased speed ranges and include adjustable travel limit switches. With the unique dual testing area, users can setup for two tests, tensile and/or compression, without having to switch out fixtures.

Sturdy ball screw drives allow for smoother operation and precise positioning. Stand include the ComTouch Total Control system on reverse side. These systems benefit from supporting a wider range of load cell capacities than other Com-Ten systems.

- Variable speeds up to 40 in/min
- Large testing area for wide samples
- Precision linear bearing guided ball screw drive for accurate crosshead positioning
- 0.1% speed ratio on all testers
- All control for ball screw through touch screen menus on the ComTouch Total Control
- Can perform both tensile and compression testing without the need of a compression cage
- Peak hold feature
- Drive control with Dynamic brake
- Push button emergency stop switch
- Adjustable magnetic limit stops
- One easy-to-use connection out to controller
- Rugged and durable construction includes a one year quality guarantee



Touchscreen
ComTouch
controller

Options:

- Test report printer
- Safety guard to protect from breaking sample
- C-TAP testing software for advanced test stand control, graphing and reporting

Part Number	701
Capacity	500 lb (2250 N)
Travel	24" (610 mm)
Working depth	4" (100 mm)
Speed range in (mm) per min	40-0.8 (1015-20)
Test stand dimension W x H x D (in)	12 x 40 x 12



USB Series
S-Block Load
Cell



ULP Series S-
Block Load
Cell

Available load cells USB & ULP for 700 series

USB Part number	ULP Part number	Capacity lb (N)	Resolution lb (N)	System accuracy lb (N)
USB 0001	ULP 0001	1 (4.5)	0.001 (0.001)	0.005 (0.025)
USB 0002	ULP 0002	2 (9)	0.001 (0.001)	0.010 (0.050)
USB 0005	ULP 0005	5 (22.5)	0.001 (0.01)	0.025 (0.1)
USB 0010	ULP 0010	10 (45)	0.01 (0.01)	0.05 (0.25)
USB 0020	ULP 0020	20 (90)	0.01 (0.1)	0.10 (0.5)
USB 0050	ULP 0050	50 (225)	0.01 (0.1)	0.25 (1)
USB 0100	ULP 0100	100 (450)	0.1 (0.1)	0.5 (2.5)
USB 0200	ULP 0200	200 (900)	0.1 (1)	1 (5)
USB 0500	ULP 0500	500 (2250)	0.1 (1)	2.5 (10)