

# DIGITAL SPEEDY TESTERS



The United Model LCH Speedy Tester is a portable model, hydraulic testing machine incorporating a highly accurate, built-in digital information system for the display of test data. Designed to perform a variety of tests, the Speedy Tester features automatic rate-of-load display, overload protection and rugged construction for years of reliable, trouble-free testing.

The versatile, easy to use Speedy Tester can be fitted with a variety of different grips and fixtures to accommodate a wide range of materials and applications.

→ Image applicable for LCH-10, LCH-20, and LCH-30

## Standard Features:

- Automatic rate-of-load display
- Digital display with resolution of one pound
- RS-232C port
- Peak load detection—displays and freezes highest reading obtained
- Overload protection system
- Interchangeable load cell capability—standardization feature allows interchangeability of load cells without recalibration
- Easily adjustable crosshead
- High accuracy—within  $\pm 0.5\%$  of indicated load + 0.005% of capacity
- Quality construction—constructed of highest grade materials and U.S. made, precision components
- JOG sample pre-load system

## Specifications:

Machine Capacity:	LCH-10: 50 kN (~10,000 lbs.) capacity LCH-20: 100 kN (~20,000 lbs.) capacity LCH-30: 150 kN (~30,000 lbs.) capacity
Gripping System:	LCH-10: 1" (25.4mm) wide wedge grips LCH-20: 1" (25.4mm) wide wedge grips LCH-30: 2" (50.8mm) wide wedge grips
Load Rate:	Variable. Approx. 100 lbs. (0.44 kN)/min. to a maximum of 40,000 lbs. (178 kN/min)
Return Speed:	4 inches (102mm) per minute
Piston Travel:	4.75 inches (121mm)
Column Height:	30 inches (762mm)
Power Req.:	120V, 60Hz, 20A or 240V, 50HZ, 10A
Weight:	160 lbs. (72.6Kg) excluding grips
Dimensions:	23" wide x 42" high x 12" deep

## Available Options:

- Additional vertical column height
- Low cycle fatigue/proof load system
- Custom floor stand with storage
- Various grips & fixtures
- Lower capacity load cells
- Compression cage
- Safety cabinet
- Over travel switch
- Special painting

# THE LCH-60 DIGITAL SPEEDY TESTER



The United Model LCH Speedy Tester is a portable model, hydraulic testing machine incorporating a highly accurate, built-in digital information system for the display of test data. Designed to perform a variety of tests, the Speedy Tester features automatic rate-of-load display, overload protection and rugged construction for years of reliable, trouble-free testing. The versatile, easy to use Speedy Tester can be fitted with a variety of different grips and fixtures to accommodate a wide range of materials and applications.

## Specifications:

Machine Capacity: 300 kN (~60,000 lbs.) capacity  
Gripping System: 2" (50.8mm) 300 kN wide wedge grips is optional  
Load Rate: Variable. Approx. 100 lbs. (0.44 kN)/min. to a maximum of 100,000 lbs. (4400 kN/min)  
Return Speed: 5 inches (127mm) per minute  
Piston Travel: 8 inches (204mm) maximum  
Column Height: 41 inches (1041mm) standard, with 13.5" (342.9mm) between columns  
Power Req.: 120V, 60Hz, 20A or 240V, 50HZ, 10A  
Weight: 1380 lbs. (626 Kg) excluding grips & fixtures  
Dimensions: 36" wide x 72" high x 24" deep (914mm x 1829mm x 610mm)

## Standard Features:

- Automatic rate-of-load display
- Digital display with resolution of one pound
- RS-232C port
- Peak load detection—displays and freezes highest reading obtained
- Interchangeable load cell capability—standardization feature allows interchangeability of load cells without recalibration
- Easily adjustable crosshead
- Four columns for added stability
- High accuracy—within  $\pm 0.5\%$  of indicated load + 0.005% of capacity
- Tension and compression capability
- Quality construction—constructed of highest grade materials and U.S. made, precision components

## Available Options:

- Additional vertical column height and custom floor stand with storage
- Low cycle fatigue/proof load system
- Lower capacity load cells with various grips & fixtures
- Compression cage
- Safety cabinet
- Over travel switch



United's Model DIG-5000 Smart Digital Readout is a revolutionary approach to the presentation of alpha numeric test data. This unique precision data acquisition system is designed for ease of use while providing the user with a variety of options usually available only with computer controlled test machines. Test data such as load range, peak, and instant load is displayed simultaneously on an easy-to-read cool blue alpha numeric display. Simple push-button operation allows quick selection of any desired measurement unit including pounds, kilograms, Newton, and placement of the decimal point at any desired location on the scale. The panel can be locked out to prevent unauthorized changes to the setup.

Display range: 20 digits  
Update rate: 20 readings per sec.  
Display face: 4 lines, 20 characters/line  
Character size: 1/4" high  
Power: 115/230V, 50/60Hz, 20A  
Operating Temp.: +10°C to +50°C  
Dimensions: 5" high x 5" wide x 8" deep  
Weight: 5.5 pounds  
Accuracy: Meets ASTM E-4 requirement  
Automatic display: Set load range  
Peak load  
Instant load  
Selectable functions: Sample break detect  
sensitivity, time-set/display, measurement units, decimal point location, load rate display, send data via RS-232 port.

# United

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