

# Wireless Muscle Tester

COMMANDER<sup>®</sup>  
ECHO<sup>™</sup>

Quickly and accurately quantify muscle strength and identify areas of weakness with the wireless Commander Echo Muscle Tester.



## Advanced Features

- Test protocols can be customized according to number of tests, starting force, Newtons, Kilograms or Pounds and number of repetitions
- Innovative pop-in "quick connect" system makes changing test pads fast and easy
- Quickly and accurately test muscle strength and identify areas of weakness with the tester and Commander Echo Console
- Quantify bilateral strength differences
- Identify patterns of weakness
- Provide objective measure of strength
- Wireless console is independent of the testing device allowing the tester to review data during active testing without influencing the patient's level of effort



\*Console required to operate device. Console and device sold separately. Device shown with accessory attached.

DISTRIBUTED BY



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MEASURING HUMAN PERFORMANCE  
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# Technical Specifications

Number of tests stored on Console: . . . . . 20  
 Number of repetitions per test: . . . . . 1-4  
 Audible cues: . . . . . yes  
 Load cell capacity: . . . . . 150 lb.  
 Automatic coefficient of variation calculations (CV): yes  
 Automatic bilateral deficit calculation: . . . . . yes  
 Threshold settings: . . . . . 1, 3, 5, 10, 20 lb.  
 Units of measure (pounds default): . . . . . lb, kg, N  
 Automatic fatigue calculation: . . . . . no  
 Timed test for fatigue evaluation . . . . . n/a  
 Allows for specific test re-testing: . . . . . Last rep only while still testing  
 Print options: . . . . . Yes\*

\* With purchase of Downloader Echo software

### Included Accessories:

**Flat Pad (8AC008)** – The flat pad can be used for exerting force against flat items.

**Curved Pad (8AC009)** – The curved pad can be used for exerting force against items that are rounded.

**Muscle Tester Cradle (9AC001)** – The Muscle Tester Cradle provides a stable platform to rest the muscle tester.



## Product Highlights

- Console records and stores up to 20 tests with up to 4 repetitions per side
- Stability during tests improved with “Axis Compensation” circuitry which guarantees 99% accuracy for off-center placement
- Reduces “roll-over” and tilting with a 2.11” high ergonomic design that fits in the palm
- Measures up to 150 pounds for very strong performers
- Automatically records peak force and calculates CV and bilateral strength deficits

**COMMANDER**  
**eCHO Downloader™**

Optional Commander Echo Downloader (CM311) software enables you

to create quick but meaningful reports from the data you collected on your Commander Echo Console with the click of a button. The easy-to-use Commander Echo Downloader software interfaces directly with your Commander Echo Console eliminating dictation and transcription errors.



Other  
 Commander  
 Echo Devices\*



\*Some devices shown with accessories attached.

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