

DualGrip Dynamometer

Model 5030DG



Why should I choose the DualGrip Dynamometer?

Lafayette Instrument has long been the leading manufacturer of hand dynamometers that have been considered the **gold standard** in therapy, training, and research.

Supporting a variety of well-known tests, the DualGrip is no exception. The unique handle is designed to be **easy to be held** by adults and children with a focus on increased accuracy in the lower range. Automatically stored results will **improve the efficiency** of your exam and review process.



Tests Available using the DualGrip Dynamometer

Each of these tests are done in a selected number of trials and times. Completed tests will be automatically saved to the device or optionally stored in the LEval app.

Peak Force

- Measures sustained force
- Accommodates dominant, non-dominant, or both hands

Rapid Grip Exchange

- Quickly perform grip test using each hand in sequence
- Audio stimulus notifies users to switch hands

Force Over Time

- Determine how long grip is sustained through maintaining maximum grip or attempting to hold grip above specified threshold



Features

- **Unique** handle accommodates both large and small hands - simply rotate and lock the handle
- Low weight dynamometer **increases suitability** for pediatric use
- **Easy-to-read** digital screen with backlight
- Centralized power and directional buttons for **simple usage and navigation**
- Select force measurements in pounds (lbs), kilograms (kg), or Newtons (N)
- On-screen interface displays test results **in real time**
- **On-device storage** with in-app storage available via LEval
- Tone indicates start and stop
- Powered by **rechargeable** lithium-ion battery



Specifications

- Size: 3.25" x 7.69" x 2.85" (8.3 cm x 19.5 cm x 7.2 cm)
- Weight: 0.7 lbs (317.5 g)
- Range: 0 - 200 lbs (90.7 kg or 889.6 N)
- Accuracy: $\pm 1\%$ over full scale or ± 0.2 lbs
- Battery Life: 10 hours
- Data Storage Capacity: 100 tests
- Sample Rate: 25 ms



LEval

LEval is an iOS/Android app compatible with many Lafayette products. LEval retains of the same features as the DualGrip but with increased functionality. Usage of the LEval app is recommended where repetition or data storage is required.

Features

- Save subject results in a local database for future study
- Subject data easily viewed in both raw and printable chart form
- Collected data can be used to generate specific norms for all user data or at an organization level
- Quick and consistent management of large groups of subjects
- A wireless connection allows for simple test setup and examination

