

LCR-500

Fully Automatic Rockwell-Type Hardness Testing System
with Load Cell Technology

Step up to the most versatile and advanced Rockwell-Type Hardness Testing System LECO has ever offered—the LCR-500.

Utilizing state-of-the-art, closed loop, self-compensating load cell technology, the LCR-500 is designed with a user-friendly interface to provide you with the ultimate in flexibility for your materials testing applications.

One tester provides you with instant access to ALL Rockwell scales (regular and superficial) with the touch of a finger—No knobs to turn and no weights to stack. The chances of operator error are virtually eliminated. Simply select the desired scale on the touchscreen, ensure that the proper indenter is installed, and the LCR-500 does the rest.

In addition to providing you with all of the standard Rockwell test loads, the LCR-500 also allows you to create a customized Rockwell-type test using minor/major load combinations between 3 and 200 Kg—ideal for research applications.

Operator control over the entire test cycle is also possible. Control settings for minor load application speed and dwell time, major load application speed and dwell time, and final force (hold) time selections are all available.

This feature allows users to duplicate or modify the test cycle times developed by the U.S. National Institute of Technology (NIST) for the calibration of NIST Rockwell Hardness Standard Reference Materials (SRM). Duplication of this test cycle is recommended for those who desire the ultimate in traceability to these NIST SRM's.

- **Better Repeatability**
- **Customizable Load Ranges**
- **Less Chance for Human Error**

