

AHM55 Lite

Hardness Testing Systems

Specification Sheet

Offering the same great testing capabilities of our AMH55 Fully Automated Hardness Testing System, the AMH55 Lite combines sample testing, automatic measuring, converting, and documenting in one easy-to-use hardness testing package. A combination of manual and automated features enhance productivity, increase usability, simplify reporting, and streamline your analysis times.

Features

- Auto-measure Knoop and Vickers
- Automatic shading correction and pixel calibration
- Measure impressions with varying surface conditions
- Retrofits to most micro/macro systems for Vickers/Knoop
- Incorporates indent measurement algorithm found in the AMH55 Automatic System
- Turret Control (LM/LV Tester with Auto Turret and RS232 ONLY) controls the rotation of the turret to the indenter(s) and objectives directly through the software, eliminating the need to physically touch the turret during day-to-day operation
- Load Detection (LM/LV Testers with RS232 ONLY) detects the correct load for a series of patterns that have been pre-defined Manual focus and manual stage
- Optional Digital Micrometer Interface continually tracks single or dual axis stage movement using a digital micrometer(s) for precise recording of indent locations
- User-defined reports (LibreOffice included; Microsoft® Excel® compatible)
- Data output is easily configured using a simple button selection interface
- Automatic hardness scale conversions
- Custom methods easily created and saved

Specifications

Digital Camera

High-resolution CMOS camera
2/3 in 2.2 megapixel sensor
USB 3.0 technology

Optional Accessories

Optional digital micrometer, 1 μm resolution
Touch-screen interface

Microindentation/Macroindentation Testers

LM110/310 Series dial load, 10 gf to 1000 gf, 10X and 50X objectives (*request 209-094-001 for more info*)

LM248/810 Series dial load, 5 gf to 2000 gf, 10X and 50X objectives (*request 209-094-009 for more info*)

LV110/810 Series dial load, 1 Kgf to 50 Kgf, 10X and 20X objectives (*request 209-094-002 for more info*)

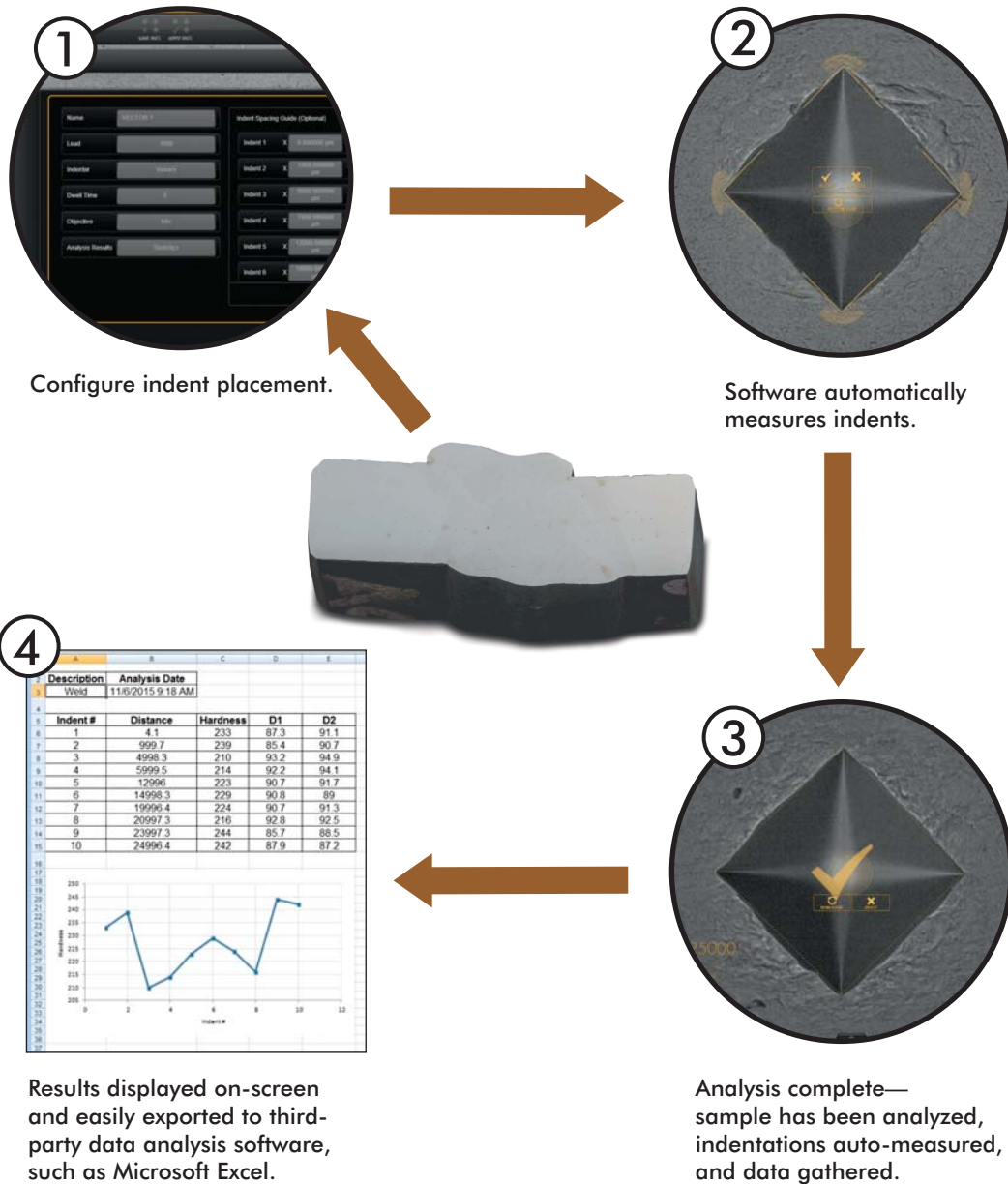
LV110/810 Series (L Model) dial load, 0.3 Kgf to 30 Kgf, 10X objectives (*request 209-094-002 for more info*)

Sample holder for 1 in to 2 in mounts (Microindentation loads only)

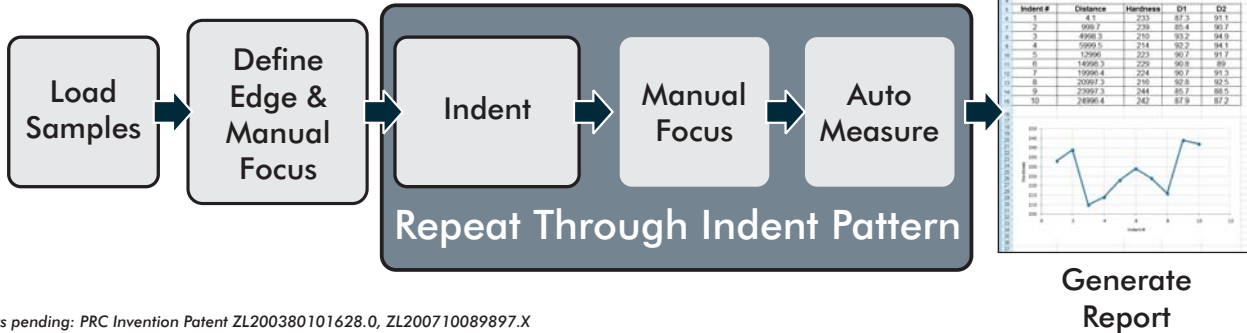
Optional objectives: 2.5X, 5X, 10X, 20X, 40X, 50X, 100X



Performing a Weld Analysis Using the AMH55 Lite



AMH55 Lite



Patents pending: PRC Invention Patent ZL200380101628.0, ZL200710089897.X
 KR Pat. No. 10-0969413; DE Pat. No. 1559059; US Pat. No. 7,139,422, 6996,264
 Specifications and part numbers may change.

Consult LECO for latest information.

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