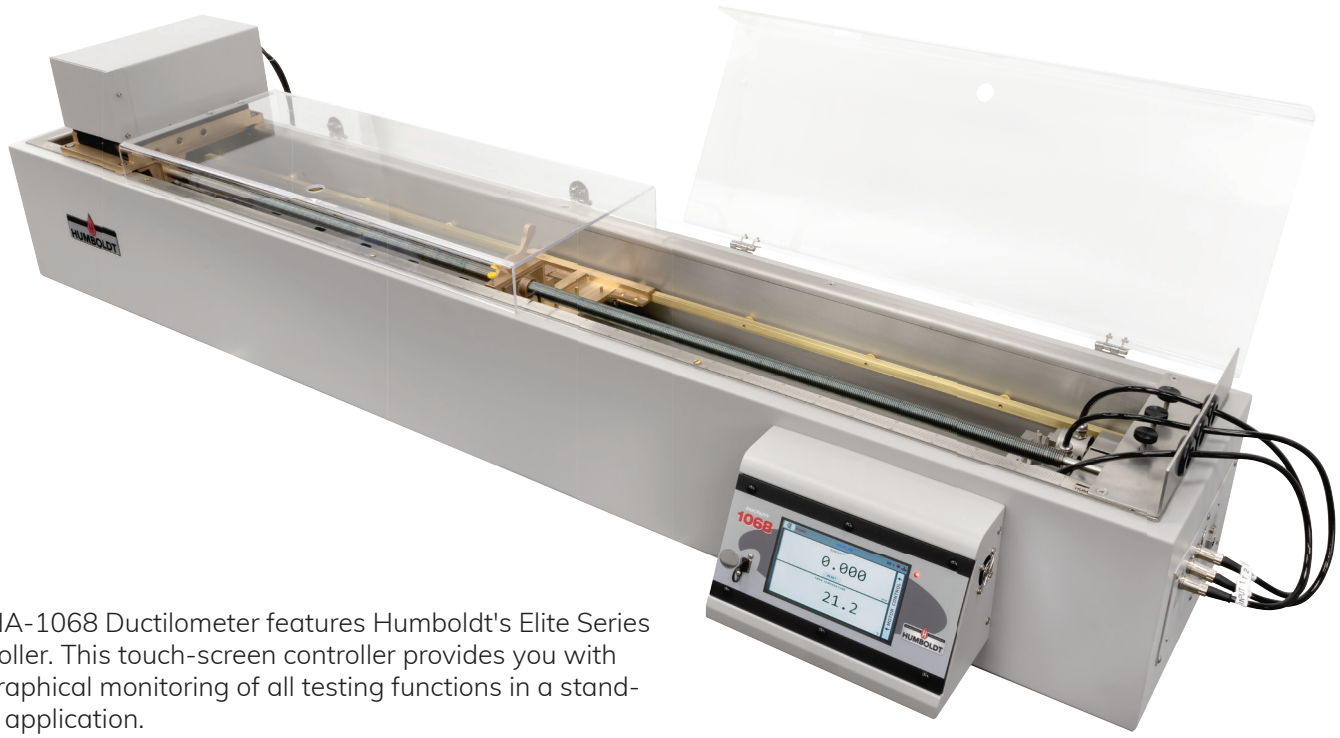
Testing Equipment for Construction Materials

HUMBOLDT

HA-1068.3F
Ductilometer, Elite Series



The HA-1068 Ductilometer features Humboldt's Elite Series Controller. This touch-screen controller provides you with full, graphical monitoring of all testing functions in a stand-alone application.

The HA-1068 Controller provides precise speed control of the DC, stepper motor maintaining constant speed, entirely vibration-free, from 5 to 100mm/min. The unit provides for three test briquettes per testing sequence with a maximum carriage travel (elongation) of 150cm and an automatic stop feature. The machine also provides a manual disengage lever for quickly disengaging the screw drive to return the testing carraige back to the start position after a test completion. This feature allows multiple tests to be run without having to wait for the machine to reset itself.

The HA-1068 has a stainless steel interior with an overflow connection and a baked enamel stainless steel-wrapped exterior. Gears are bronze or brass; all other parts are solid brass to prevent rusting. Finned stainless steel tubes beneath a false bottom provide efficient thermal transfer. A single stainless steel lead screw mounted above water level prevents agitation of water and premature rupture of specimens. A traveling pointer adjusts to the zero starting position and indicates the exact position of the carriage on a linear centimeter scale attached to the trough's front edge.

The Ductilometer controller provides you with full, graphical monitoring of all testing functions. The seven-inch, water-proof screen provides at-a-glance monitoring of testing functions, in a real-time graphical display without the use of a computer.

You will be able to run tests and display results while viewing tabulation, basic x-y graphs and instrument readings in real-time during the test. Test data is stored in the device and can be down-loaded to a USB drive via the machine's front USB port or the data can be transferred to a computer via the LAN port. A second USB port located on the back of the machine can also be used to power a wireless access point, which can provide a wireless hook-up with a computer, if no LAN is available.



Interior of HA-1068 showing test molds, screw drive and disengage lever.

HA-1068.3F
Ductilometer, Elite Series

Circulating Temperature Controller

The H-1068CC Circulating Temperature Controller is designed for use with the H-1068X ductility machine.

Features:

- Large, full-color touchscreen display with intuitive interface and operation in five languages (English, Spanish, French, German, Mandarin)
- Cooling at ambient temperatures as high as 40°C
- Choice of ultra-reliable Turbine or Positive Displacement pumps
- Fluid temperature control range from -10° to 70°C
- DynamicFilter™ self-cleaning filter system
- Ultraviolet anti-biological light system
- User-adjustable temperature, pressure, and flow rate alarms
- Heating to 70°C, without additional heater for more energy-efficient operation
- RS232, Status relay, dry contact
- Cool Command™, WhisperCool®

Circulating Temp. Control, 120V 60Hz — H-1068CC
Shipping wt. 80 lbs (36.2kg)



H-1068CC

Ductilometer Stand

Designed for use with Humboldt Ductilometers, places machine at working height and includes a shelf for circulating temperature controller. Features square steel legs. Needs assembly.

Ductilometer Stand — H-1068.100
Shipping wt. 200 lbs (90.7kg)



H-1068.100

Ductility Briquette Mold

ASTM D113

Mold for making test briquettes for use with any ductility testing machine. H-1080 briquette mold has angled sides for use in standard test. Four accurately machined interlocking brass segments are interchangeable with same parts from different molds; no parts identification marks are needed for matching. End pieces, designed to hold specimens being elongated, are provided with mounting holes.

Ductility Briquette Mold — H-1080
Shipping wt. 0.8 lb (0.36kg)

Elastic Recovery Mold

ASTM D5892, D6084, AASHTO T301

Mold for making test briquettes for use with any ductility testing machine. H-1030 briquette mold has straight sides for use in forced tests. Requires H-1090 or H-1090.3 base plates. Four accurately machined interlocking brass segments are interchangeable with same parts from different molds; no parts identification marks are needed for matching. End pieces, designed to hold specimens being elongated, are provided with mounting holes.

Elastic Recovery Mold — H-1030
Shipping wt. 1.1 lb (0.49kg)



H-1030

H-1080

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