

Universal Testing Machines

Retrofit by Your Machine with the UH-X Series Controller

Are you interested in restoring your universal testing machine by replacing the controller with a new one?

Has the performance level of your universal testing machine become obsolete?

Are the controller and data processing system (PC) out of date?

Is maintenance no longer possible because your testing machine components have been discontinued?

Contact us about replacing your controller with the UH-X series controller before a breakdown occurs that cannot be repaired.

Features of the UH-X Series Controller

Easy Stress & Strain Control!

Control parameters are auto-tuned based on test force and strain data acquired during the test. This eliminates the need for preliminary testing, and makes stress control and strain control simple and easy.

Rangeless!

The amplifier range does not need to be specified for measurements. This means data can be acquired using optimal measurement parameters, even for samples with unknown strength.

Improved Operability and Visibility!

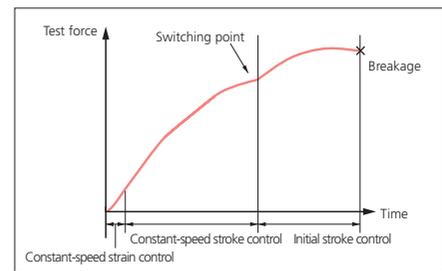
The large 10.4-inch color LCD touch panel improves visibility. Thanks to a diverse range of functions, a graphical interface, and simple-touch panel operation, even first-time users can easily use the testing machine.



Metallic Material Tensile Test Standards: ISO 6892-2009, JIS Z 2241

ISO 6892, the international standards for tensile tests of metallic materials, have been revised. A test method has been introduced that prescribes tests speeds by strain speed, and its accuracy has been specified. Thanks to a high-resolution stroke and high-speed sampling, the UH-X controller achieves higher-accuracy strain control.

TRAPEZIUM X control software as well as automatic extensometers, or SSG (strain gauge) type or DT (differential transformer) type extensometers (Class 1 extensometers) are required.



Applicable Testing Machines

Retrofitting Shimadzu Testing Machines

Universal testing machines
RH/REH, UMH/UEH, UDH, UH-A/B/C, and UH-I series

Retrofitting Other Brands of Testing Machines

Other vendor's testing machines that can no longer be maintained because the controller is out of date. Testing machines currently in use that provide unsatisfactory measurement or control.



RH/REH



UMH/UEH



UDH



UH-A

*The system will be investigated prior to retrofitting. Special charges may apply, and no action may be possible, depending on the conditions of the system.

Extensive Software Lineup

Optional software programs enhance testing machines.

■ Single Software

Allows tensile, compression, and bending tests.

■ Cycle Software

Moves the sample up and down repeatedly as in endurance tests.

■ Control Software

Allows the user to freely create the testing machine movement routine.

■ Concrete Software

Used for testing concrete (compression, bending, and splitting tensile testing).

■ Recorder Software

Used to only acquire data, while the testing machine is operated manually.

Easy
connections
via
USB!



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