

Product Information

Servo-Hydraulic Vertical Static Two Column Testing Machines LabTest 6.xxxH.1

Machine use

Servo-hydraulic testing machines of the H.1 series are designed for safe and effective testing of materials and whole products in tensile, compression, bending and shear. This machine series is characterized by high durability and mechanical resistance. The basic equipment of machine includes central-placed, quiet and economical hydraulic drive. Thanks to a wide range of accessories for H.1 series it is possible to test any material or product at maximum capacity of 500 kN.

Machine description and the main advantages

- Open, double column frame with high durability and ideal ergonomic configuration.
- Machine and working area ergonomics allows easy manipulation with specimens and accessories.
- Robustness of the frame ensures high rigidity, durability and resistance against vibration and mechanical damage.
- Quiet hydraulic drive with low noise <68 dB and low power consumption, automatic controlling of hydraulic unit parameters and air cooling.
- Automatic check of the controlled loading in power and position loop with proportional servo valve support.
- A modular configuration of the machine with the ability to add any accessories from LABORTECH company, including extensometers, temperature chambers, probes, tools, protection covers etc.
- Due to high data acquisition rate **1kHz** and high resolution of AD converters **24 bit**, the measuring electronics allows very accurate testing in the large measuring range of the force sensor.
- Ability to control the machine with a remote control RMC 7 with one button without PC.
- Support according standards: EN, ISO, ASTM, GOST, DIN, etc.

The base machine includes:

- The machine frame including length sensor and load cell
- Protective safety cover with electronic control mechanism
- Economical and silent Hydraulic unit with measuring and control electronics EDC 222
- Hydraulic connection between hydraulic unit and frame
- Remote control holder RMC7 with LCD and emergency stop
- Remote control with integrated software

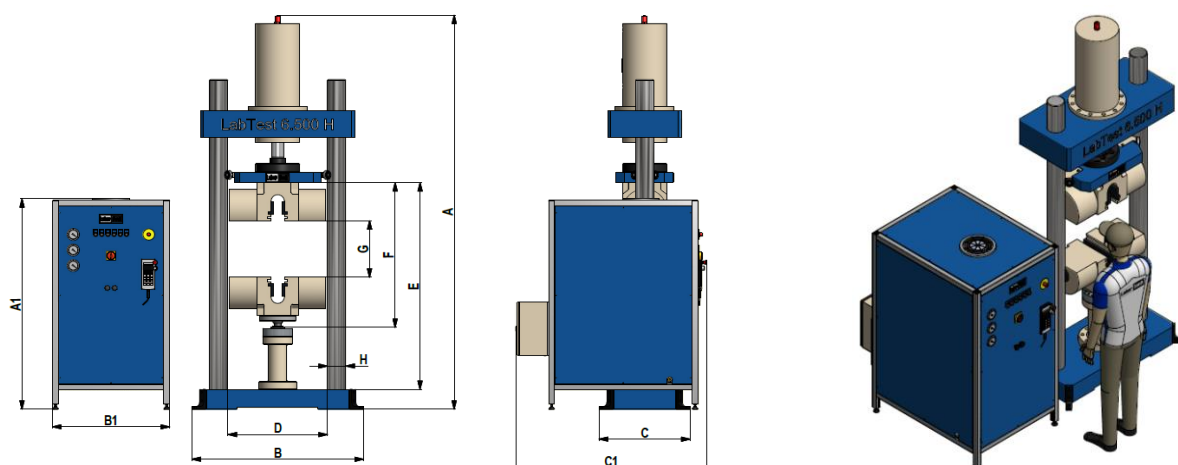
Supplements and Accessories:

- Wide range of grips, compression and bending tools
- T-slotted plates
- Extensometers (mechanical, contactless)
- Safety cover
- Temperature chambers and furnaces



Software Features Test & Motion ®

- Simple, intuitive and efficient
- Definable all kinds of protocol printing
- Programming of individual files
- A set of programs for your own individual testing
- Available almost all standard methods of evaluation
- Special specific applications, programmable modules
- Digital display of all channels
- Extensive statistics results
- Saving the resulting data in ASCII format, SQL and Excel
- Transferring data from other devices like touch thickness gauge, scales, etc.
- Compatibility with every EDC box system by LABORTECH company
- Possibility to add more additional channels
- Quick and efficient testing
- 9 languages (En, Cz, Ge, Fr, Pl, It, Sp, Ru, Du)
- Protocol printing in various languages
- Installation on any computer without a licence



Technical data	Units	6.200H.1.31	6.300H.1.31	6.500H.1.31
Load capacity	kN	200	300	500
Number of columns		2		
Number of linear guides		2		
Piston stroke	mm	500	500	500
Minimum testing speed	mm/min	0,001		
Maximum testing speed	mm/min	620	410	520
Travel resolution	μm	1		
Accuracy of speed control	%	±0,05		
Weight without accessories	kg	1380	1590	1840
Weight with grips ¹	kg	1840	2020	2480
Color finish		RAL 1015, RAL 5015		
Dimensions ²				
Height of the Machine (A)	mm	2271 ²	2300 ²	2790 ²
Width of the Machine (B)	mm	920	920	1173
Depth of the Machine (C)	mm	623	623	623
Width of the Machine (D)	mm	620	620	680
Height of test space (E)	mm	1120	1250	1464
Height of test space with sensor (F)	mm	910	980	1025
Height of test space between grips (G)	mm	500 ²	500 ²	500 ²
Height of Hydraulic unit (A1)	mm	1070		1490
Width of Hydraulic unit (B1)	mm	800		800
Depth of Hydraulic unit (C1)	mm	1020		1300
Environmental conditions				
Operating temperature	°C	- 10 to 35		
Storage temperature	°C	-35 to 55		
Humidity range	%	< 90		
Noise level ³	dB	< 65		
Electrical connection				
Supply voltage	V	3Ph/N/PE/400/50-60Hz		
Fuse	A	16	16	25
Power rating	kVA	4	4	8,5

¹ Hydraulic grips with side pressure

² Adjustable height of testing space max + 300 mm – model type of series 6.xxxH.1.xx.1

³ If the HU is covered with original cover from manufacturer. Measured at 1 m distance from HA without loading

Technical changes are reserved by manufacturer

Manufacturer:

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