

Product information

Servo-Hydraulic Testing Machine LabTest 6.xxxH.3

Machine use

Servo-hydraulic testing machines of the series H.3 with two reversible test spaces are designed for safe and effective testing of materials and whole products in tensile, compression, bending and shear and special testing of high-strength materials. This series of machines is characterized by high durability and mechanical resistance. The basic equipment of the machine includes a central-placed, quiet and economical hydraulic drive. Thanks to wide range of accessories H. 3 series allows to test any materials at maximum capacity of 1500kN.

Machine description and the main advantages

- Open, four column frame with high durability and ideal ergonomic configuration.
- Machine and working area ergonomics with sufficient width 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 check of HA parameter and air cooling allows testing in 3-shift operation.
- Automatic check of the controlled loading of 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 load cell without need of additional sensor.
- High operator comfort and customization tools for specific customer requirements as special protective covers, different speeds, different types of special grips, adjustments of X-head travel for custom products etc.
- Possibility of machine control by a remote control RMC 7 with one button without PC.
- Support of standards: EN, DIN, ISO, ASTM, GOST, etc.

The base machine includes:

- A machine frame incl. a load cell and integrated grips
- Economical silent Hydraulic unit with measuring and control electronics EDC 222
- Hydraulic connection between HU and the frame
- Remote control with integrated software
- Remote control RMC7 with LCD and emergency STOP button

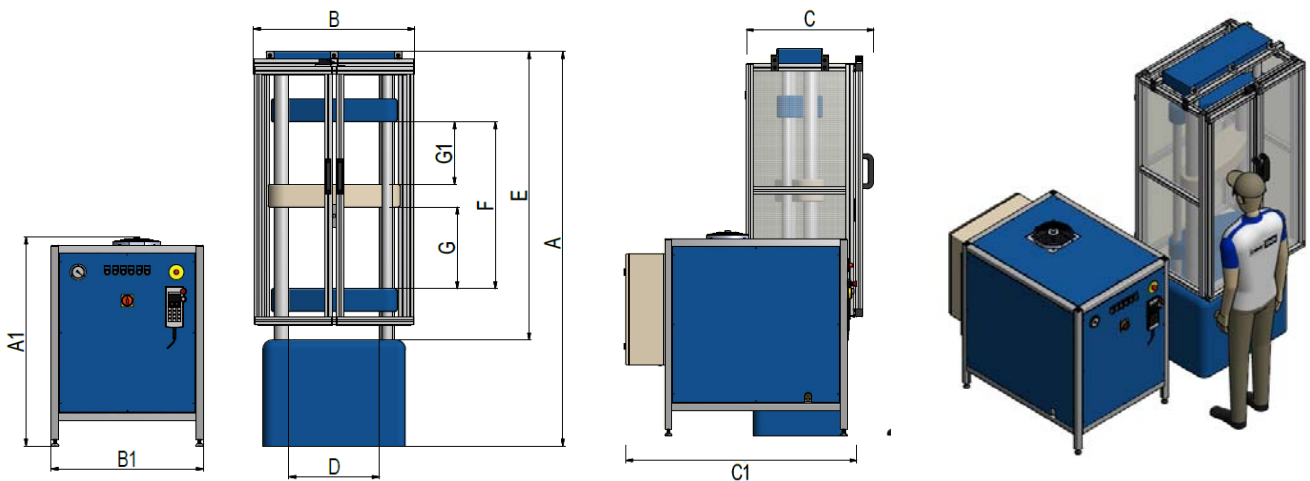


Supplements and Accessories

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

Software Features Test & Motion ®

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



Technical data	Units	6.200H.3	6.400H.3	6.600H.3	6.1000H.3	6.1500H.3
Load capacity	kN	200	400	600	1000	1500
Number of columns		4				
Number of guiding rod		2				
Piston stroke	mm	300	300	300	300	300
Minimum testing speed	mm/min	0,01				
Maximum testing speed	mm/min	620	350	440	250	250
Travel resolution	µm	1 (0,1 high resolution-special)				
Weight without accessories	kg	1230	1680	2185	4180	5550
Weight with accessories ¹	kg	1505	2130	2680	4590	6120
Technical data		RAL 1015, RAL 5015				
Dimensions						
Height of the Machine (A)	mm	2150	2230	2860	3120	3740
Width of the Machine (B)	mm	860	1050	1050	1180	1260
Depth of the Machine (C)	mm	780	840	920	1020	1140
Width of test space (D)	mm	420	510	610	700	700
Diameter of guiding rod (E)	mm	60	80	80	120	140
Height of test space for tensile tests (F)	mm	70-890	70-890	70-910	0-1530	70-1290
Height of test space for pressure tests (G)	mm	25-530	25-530	30-570	0-1000	0-1200
Height of Hydraulic unit (A1)	mm	1070		1490		1490
Width of Hydraulic unit (B1)	mm	800		800		800
Depth of Hydraulic unit (C1)	mm	1020		1240		1300
Environmental conditions						
Operating temperature	°C	10 to 35				
Storage temperature	°C	-35 to 55				
Humidity range	%	< 90				
Noise level ²	dB	< 68				
Electrical connection						
Supply voltage	V	3Ph/N/PE/400/50-60Hz				
Fuse	A	16	16	16	16	25
Power rating	kVA	4	4	8,5	8,5	15

¹Integrated mechanical (hydraulic) grips

²If the HU is covered with original manufacturer cover. Measured at 1 m distance from HU without loading

Technical changes are reserved by manufacturer

Manufacturer:

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