

Universal testing machine

inspekt table 5kN - 50kN



(Inspekt table 50kN – 250kN)





Construction	2 free from play ball screws, drive with AC servo motor 1 workspace up to nominal load breadth of workspace: 420 mm (optional broadening: on request) total testing travel without testing tools: 1100 mm (optional elongation: on request) optional: changeover to standing model, required auxiliary module: stand
Standard functions	programmable control at selected load, stroke or strain values over-load protection, automatic calibration sample-break-detector, return-function, manual positioning via software labmaster

		inspekt table			
Nominal load (tension/compression)		5kN	10kN	20kN	50kN
Test speed until nominal load	300W	0,01 - 2000 mm/min	0,01 - 1200 mm/min	0,01 - 600 mm/min	0,01 - 200 mm/min
	900W	/	0,01 - 2000 mm/min	0,01 - 2000 mm/min	/
Return speed	300W	2000 mm/min	1200 mm/min	600 mm/min	200 mm/min
	900W	/	2000 mm/min	2000 mm/min	/
Load measuring range		class 1 of 0,4 – 100% of the nominal load (optionally class 0,5) (+/- 1 % of the displayed value according to DIN 51221 class 1, EN 10002-2, ASTM E4 , ISO 7500 class 1)			
Load resolution		+/-180.000 digits at 20ms integration time			
Crosshead travel measurement		incremental rectangle input with encoder supervision, saving of crosshead position			
Travel resolution		0,01 µm			
Software interface		USB 2.0 - Interface or LAN			
Data transfer rate		50Hz (standard) / optionally 400Hz with special software add-on module			
Optional card		2 free plug-in positions for upgrading cards for analogue/digital in-/outputs for force, travel, and extension gauges, as well as +/-10V input for external gauges, plug-in position for safety door option available			
Electrical interface	300W	115/230 VAC, 0,7 kVA, 50/60 Hz, 5- 40°C, 20- 80 % humidity			
	900W	115/230 VAC, 1,5 kVA, 50/60 Hz, 5- 40°C, 20- 80 % humidity			
Dimensions BxDxH		685 mm x 550mm x 1420 mm			
Weight		100kg	100kg	130kg	150kg

Options:	<ul style="list-style-type: none"> - control and indicator panel (with load/stroke - display) for manual positioning and stand-alone-mode without PC (10-030-897), bellows (10-030-890), base frame (10-030-800) - load cells 50N to 50 kN - mechanical, hydraulic or pneumatic clamping tools for tension testing - pressure plate, bending fixture, special test control units, external measurement devices, clip on and longstroke extensometer - PC (current standard), operating system Windows® 2000 / XP - software LABMASTER version: BASIC / SCIENCE
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Main testing tool interface standard	5kN / 10kN / 20kN - R20/8 / 50kN - R36/18
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