

UNIVERSAL TESTING MACHINE

Description:

For force-displacement measurements or constant force measurements with programmable traverse and velocity, to determine the tensile strength, compression strength, stretch, peel and friction tests, shear force and long-term tests.

The teststand includes graphic capable software with programmable test setups for data processing and machine control thru pc, yet can also be used as a stand alone testing instrument, using the integrated keyboard.

The easily interchangeable loadcell as a capacity from 50 N up to 5000 N, length measurement has a resolution of 0.01 mm on the display or 0.001 mm in the software. The working range including grips and travel is 500 mm, optionally 1500 mm.

The machine has a strong and rugged design in aluminum and stainless steel and is protected from wrong operation by means of limiting the max. capacity and/or the traverse path. Additional mechanical stops can be set.

A large selection of grips and fixtures are available as an option.



Technical details:

Capacity:	5000 N max
Accuracy:	0.03% (load) 0.001 (distance)
Overload:	120% of nominal load
Display:	LCD with force & distance
Sampling:	50 meas/sec (RS-232)
Speed:	1 - 700 mm/min
Travel:	500 mm max. (option 1200 mm)
Software:	For Win 95/98/NT/XP
Weight:	Approx. 48 kg nett