

Tension and friction tester DLF-380

The DLF-380 was developed for testing pull-off and friction forces. The tester can be used as an in-line product tester and for development.



The DLF-380 tester is equipped with an automatic clamping device on the right side. This clamp can be used to apply a defined clamping force to two clamping jaws. Thus it is possible to measure stents in the friction on the balloon as well. The pressing force can be set by weights and the surfaces can be quickly replaced by different sizes and shapes. Easier operation with only two buttons enables quick familiarisation in production and easy handling. This device is ideal for many measuring tasks.

For measuring, the part to be tested is placed below the clamp block. Then the plates are lowered carefully with the "Clamp" button. The left side is closed with the mechanic spanner. Pressing the start button builds a tension or pressure on the left side with a carriage, and the force on the right clamp is measured over the path and indicated in a diagram. Comfortable, freely programmable software makes it possible to store and call employee management, batch number and up to 2000 programmes. The device has an error recognition function that indicates when the sample goes from adhesive friction to dynamic friction or if the measuring range or force is exceeded.

Technical Data

Clamp faces right:	Quick change form for taking up the samples or fixed clamp. Pressing force can be set through weights
Spanner left:	Mechanic quick spanner can be set
Spanner distance:	380 mm or shorter through additional receptacles
Movement path:	Infeed length and speed programmable
Maximum path:	100 mm
Path resolution:	approx. 0.5 µm
Force measurement:	+/- 25 N
Force resolution:	approx. 1 mN (+- 32000)
Control:	Controlled over Windows PC by including software.
Dimensions without PC:	(L/W/H) 700 x 260 x 200 mm, Weight: 11.5 kg
Housing:	Clean room-compliant design, top made of stainless steel.
Supply:	110-230V/ 50-60Hz; 24V/70W, USB-Interface.
Scope of delivery:	Basic unit, Software, Dongle, 2 weights, Operating Instructions in English.
Accessories:	Weights, PC-Win 7/8 for programming.
Miscellaneous:	Special sizes and customizations on request.



Made in Germany

All specifications are subject to change without notice.