

# PROOFTESTER 2™

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## Automatic optical fiber tensile testing system

- Fully automatic, easy to operate
- Two basic configurations – linear or rotary tensile testing
- Adjustable clamp positioning
- No need for external air supply or vacuum
- Built-in LCD touch screen control



This automatic optical fiber tensile testing system is designed for operator skill independent use in production and laboratory settings. Two basic model configurations allow the user to choose between a set up for standard linear proof testing and with additional mandrels for rotary high strength testing.

The linear version is designed for production proof testing with forces up to 20 N. Motorized clamps with carefully designed rubber inserts ensure that the fiber coating is not damaged in the testing process while at the same time eliminating the need for an external air supply. Levels of pulling force, pulling speed and hold time are programmable and conveniently accessible to the operator through the built-in LCD touch screen control. Data from tests can be saved and accessed via the USB port or Ethernet interface.

Mandrels of the same design as in NYFORS' optical fiber recoaters can easily be mounted on the proof tester in the rotary high strength configuration. The fiber is wrapped around the two mandrels which support it with a special clamping mechanism. This way much higher loads can be applied onto the fiber, enabling breaking strength tests under controlled circumstances.

Adjustable clamp positioning facilitates testing with the highest force levels as well as testing of short fiber lengths.

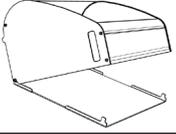
The compact and light weight design makes the instrument easy to move around in a laboratory environment and to integrate in a production work bench where space is at a premium.



### TECHNICAL DATA

Fiber cladding	165-900 µm
Linear proof test	Programmable 0-20 N
Mandrel proof test	Programmable 0-100 N
Hold time	Programmable
Pull rate	0.5-20 N/s
Power supply	External 12 V DC, 60 W
PC connection	Ethernet & USB Flash drive
Dimensions	270 mm (W) x 170 mm (D) x 105 mm (H)
Weight	3.8 kg

NYFORS part number: 10100067

Accessories available for PROOFTESTER 2			
	Type	Article number	Article description
	Safety cover	10100085	Safety cover
	Power cable extension	10100090	Extension for power cable, 3m
	Mandrels	10100056	Mandrels for high strength prooftesting
	Back stand	10100101	Back stand for RC2/AC2/PT2

Spare parts available for PROOFTESTER 2			
	Type	Article number	Article description
	Fiber tensioners (MC)	10100122	Fiber tensioners, Motor Clamps (pair)
	Power supply	10100156	Power Supply
	Adaptor, EU	10100157	Adaptor for 10100156, EU
	Adaptor, UK	10100159	Adaptor for 10100156, UK
	Adaptor, US	10100158	Adaptor for 10100156, US

Please contact us if you have any questions.