
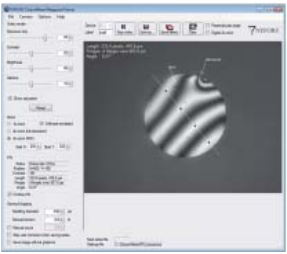



# CleaveMeter 2™

NEW



Optical fiber end-face interferometer

		<ul style="list-style-type: none"> <li>• Sharp fringe patterns</li> <li>• Flat and angled cleave measurements</li> <li>• Operator skill independent for fast operation</li> <li>• Accepts fibers with claddings from 125 µm up to 1200 µm</li> <li>• Accepts fiber holders of major splicer manufacturers</li> <li>• Adaptor plate angle error measurement and compensation (Premium software)</li> <li>• Plane angle and three-point fiber diameter measurement (Premium software)</li> </ul> 
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The CleaveMeter 2™ is a non-contact interferometer designed for inspecting the end-faces of cleaved and polished optical fibers with cladding diameters of 125 µm to 1200 µm. It gives immediate information on important end-face properties such as flatness, perpendicularity, hackles and dust. Sampling tests as well as continuous process documentation can be carried out both easily and quickly, making this an ideal instrument for cleaver inspection and optimization.

The optical system is based on a high-end camera with true megapixel resolution and very high sensitivity, yielding excellent image quality at high frame rates and high magnification. Switching between low and high magnification is software-controlled. High-precision optics guarantees sharp and clear images and fringe patterns with very little aberration.

The CleaveMeter 2™ comes with user friendly and efficient software available in two different versions – standard and premium. Standard software features include cleave angle measurements with in-picture presentation of results, user-defined markers at points of interest, pseudo-colour mode for better contrast and the ability to log information, save and load images to and from files. The premium software package includes support for measurement of plane angles and fiber diameters as well as compensation for adaptor plate angle error for increased accuracy.

The CleaveMeter 2™ comes in a small ergonomic, bench-top design and connects to the USB port of a PC running the host application.

TECHNICAL DATA	
Fiber cladding	125–1200 µm*
Fiber coating	250–1500 µm
Camera resolution	1280 × 1024 pixels
Image scale	1.25 µm per pixel
Image file format	8-bit JPEG, PNG, TIFF, BMP
PC connection	USB 2.0 port
Power supply	Through USB port
Dimensions	97 mm (W) × 179 mm (D) × 142 mm (H)
Weight	1.6 kg
CLEAVE ANGLE ACCURACY	
Absolute accuracy	0.15/0.03 degrees**
Relative accuracy	20 % (125–199 µm)
	10 % (200–529 µm)
	5 % (530–1200 µm)

NYFORS part number: 30100011-12

Included in delivery: CleaveMeter 2™ unit, PC Software, USB interface cable, Manual and Tools.

\*Fiber-specific adaptor plates required. \*\* This level of accuracy requires adaptor plate angle errors to be measured/compensated on the individual CleaveMeters they are used with (Premium software only). For more information about system accuracy, please contact us at [info@nyfors.com](mailto:info@nyfors.com).

Specifications and descriptions are subject to change without prior notice.

Information is subject to change without prior notice.  
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## Selection Guide Matrix

Fiber specific adaptor plates are required to clamp and align the fiber to the interferometer optics. They are not included in delivery and should be ordered separately.

Adaptor plates are available for use with NYFORS automatic fiber cleavers and fiber holders from the major splicer manufacturers. Below you find a selection of the most common types and dimensions. NYFORS generic adaptor plates are compatible with NYFORS LD fiber clamps and Ericsson FSU-clamps.

Select Adaptor Plate to match the fiber cladding diameter and Angle Adaptor Plate (optional) to match the fiber tilt angle.

### ARTICLE

Adaptor Plate	Cladding diameter	Article number	Article Description	Article Type
	115-210 $\mu\text{m}$	30100001	Adaptor plate, FJK, 115-210 $\mu\text{m}$	Fujikura/AFL
	200-529 $\mu\text{m}$	30100002	Adaptor plate, FJK, 200-529 $\mu\text{m}$	Fujikura/AFL
	510-800 $\mu\text{m}$	30100003	Adaptor plate, FJK, 510-800 $\mu\text{m}$	Fujikura/AFL
	800-1200 $\mu\text{m}$	30100004	Adaptor plate, FJK, 800-1200 $\mu\text{m}$	Fujikura/AFL
	Customer specified	30100007	Adaptor plate, NYFORS, Generic	NYFORS, Generic NYFORS/Ericsson

Angle Adaptor Plate	Fiber tilt angle	Article number	Article Description
	15°	30100008	Angle adaptor plate, 15 degrees
	8°	30100009	Angle adaptor plate, 8 degrees
	Customer specified	30100010	Angle adaptor plate, Generic

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