
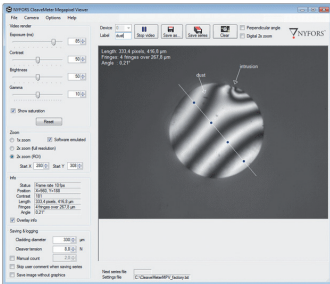


CleaveMeter MP1 *NEW*

Fiber end face inspection and process documentation





- Angle analyzing and measurement tool
- Fast and easy to operate
- In-picture measurement results
- User defined and storable markers at points of interest

The CleaveMeter MP1™ is a non-contact interferometer, which is used for examining the end face of optical fibers with a cladding diameter of 125 to 1200 µm. The CleaveMeter MP1™ gives immediate information on the end face properties such as flatness, perpendicularity, hackles and dust, thus making this cleave meter the ideal instrument for cleaver inspection and optimization. Sampling tests as well as continuous documentation can be carried out both easily and quickly.

By means of the host application the user can view the live camera image, adjust camera settings, save and load images to/from file, and log all information in a specific text-based log file. In addition, the system includes several other new features such as automatic cleave angle measurement, user defined markers at points of interest, pseudo-color mode for better contrast and in-picture measurement results.

The optical system is based on a high-end camera with 1.3 megapixel (1280 × 1024) true resolution and very high sensitivity, yielding excellent image quality at high frame rates and high magnification. The switching between low and high magnification is software-controlled. The high-precision optics guarantees sharp and clear pictures with very little aberration.

The mechanical design is compatible with all NYFORS automa-

tic fiber cleavers and accepts the fiber holders used with those machines. For other types of holders, custom-made adaptor plates are available upon request.

The CleaveMeter MP1™ comes in a small 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
Absolute accuracy	0.15 degrees
Relative accuracy (125–199 µm)	20 %
Relative accuracy (200–529 µm)	10 %
Relative accuracy (530–1200 µm)	5 %
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

NYFORS part number: 30000015

Included in delivery: CleaveMeter MP1™ unit, PC Software, USB interface cable, Manual and Tools.

*Requires different fiber specific adaptor plate.