

# V20

Fiber Microscope

- Handheld fiber microscope enables fiber face inspection
- Available in 200( $\mu\text{m}$ )x or 360( $\mu\text{m}$ )x magnification



V20

### Fiber Microscope

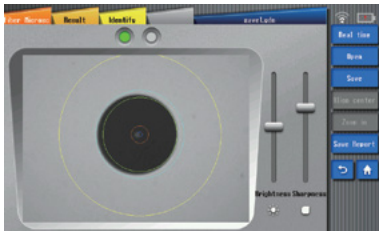
- Test report
- S/W program to use with PC
- Pass/Fail Result
- Image magnification

## Description

The Fiber Microscope is chiefly used in checking if the fiber end-face is clean. With the ability to display a clear image and the double amplification function, the V20 is able to analyze the cleanliness of the fiber end-face.

## Importance of a clean connector end interface

It is an essential to utilize auto-analysis software to test the connector and assess its quality during the commissioning and installation of the fiber. It is very important to save the verification records of the connector for future reference. End-to-end verification can be achieved by combining the connector test with the fiber verification. The following are displayed test images.



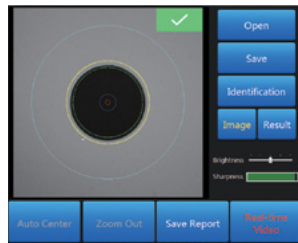
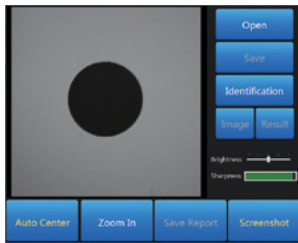
Passed



Failed

## Convenient test capability with PC software

Such software is installed on a PC, connected easily by a USB 2.0 interface. This makes the operation convenient. The results can be analyzed through the following procedure: connecting the optical fiber to the device, adjusting the sharpness and then tapping "screenshot".



## Technical Specifications

Resolution	3.2 $\mu$ m
Image sensor	640 x 480 (VGA)
Visual test	< 5 $\mu$ m
View angle	200 $\mu$ m*200 $\mu$ m of high magnification
	360 $\mu$ m*360 $\mu$ m of low magnification
Light source	Blue LED
luminance technique	Coaxial light source
Digital zoom	3 grades
Connector	USB 2.0
Operating temperature	-10°C to 50°C
Storage temperature	-40°C to 70°C
Bulkhead tips	2.5mm (UPC, APC), 1.25mm (UPC, APC)

## Size and Weight



Height: 1.33 inches (34 mm)  
 Width: 5.9 inches (150 mm)  
 Depth: 1.37 inches (35 mm)  
 Weight: 0.37 pounds (168 grams)

The information on this catalog is subject to change without prior notice.

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