

# V20

## Fiber microscope

The portable fiber microscope allows the inspection of the fiber's face.  
Available in 200 ( $\mu\text{m}$ )  $\times$  or 360 ( $\mu\text{m}$ )  $\times$  magnification.

Test report

S/W program to use with PC

Pass/fail result

Image magnification



The fiber microscope is mainly used to check if the end face of the fiber is clean. With the ability to display a clear image and the double amplification function, the V 20 is able to analyze the cleanliness of the fiber end face.



Passed

Failed

### Importance of a clean connector end interface

It is essential to use self-analysis software to test the connector and evaluate its quality during commissioning and installation of the fiber. It is very important to save the verification records of the connector for future reference. The end-to-end verification can be performed by combining the connector test with the fiber verification. The following test images are displayed.

### Convenient test capability with PC software

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



### Patchcord Tip Adapters



2.5 mm ferrules / APC



2.5 mm ferrules / UPC



1.25 mm ferrules / APC



1.25 mm ferrules / UPC

### Technical specifications

|                                 |  |
|---------------------------------|--|
| Resolution                      | 3.2 $\mu\text{m}$  |
| Image sensor                    | 640 $\times$ 480 (VGA)   |
| Visual test                     | < 5 $\mu\text{m}$  |
| View angle                      | 200 $\mu\text{m}$ $\times$ 200 $\mu\text{m}$ of high magnification / 360 $\mu\text{m}$ $\times$ 360 $\mu\text{m}$ of low magnification |
| Light source                    | Blue LED   |
| Luminance technique             | Coaxial light source   |
| Digital zoom                    | 3 grades   |
| Connector                       | USB 2.0  |
| Operating / Storage temperature | -10° C to 50° C / -40° C to 70° C  |
| Patchcord Tip Adapters          | 2.5 mm (UPC, APC), 1.25 mm (UPC, APC)  |

### Size and weight



Height: 1.33 inches (34 mm)  
 Width: 5.90 inches (150 mm)  
 Depth: 1.37 inches (35 mm)  
 Weight: 0.37 pounds (168 grams)

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