WESTERN OPTRONICS



ETN131

Multi-fiber Benchtop Inspection Microscope

The Western Optronics ETN131 is an electronically controlled microscope for end-face inspection of MPO/MMC connectors, MT/TMT ferrules, duplex LC connectors and high-speed 400G/800G/1.6T modules. Buttons or a foot pedal shift between fiber cores, reducing repeated focus and axial adjustments during sequential multifiber inspection.



ETN131 multi-fiber inspection microscope

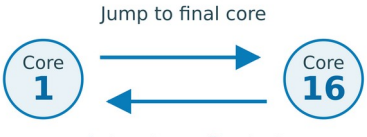
Features

- Button-controlled core positioning, with hands-free operation via foot pedal.
- Ergonomic design reduces finger fatigue during repeated inspections.
- Stable scanning with speed control and reduced focus or axial adjustments.
- 200X / 400X imaging with interchangeable PC/APC adapters.
- Inspection of multifiber connectors, ferrules, modules and duplex LC.
- Adjustable illumination reveals fiber core, cladding defects and scratches.

Electronic Core Selection



Foot-pedal control



Button or foot-pedal positioning; jump to the final core and return to the first core after the test.



Interchangeable inspection adapters

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Technical Specifications

Parameter	Specification
Magnification	200X, 400X
Resolution	0.75 µm, 0.5 µm
Image diameter	40 mm, 80 mm
Inspection types	Multi-fiber connectors/ferrules/module and Duplex LC
Sensor	Imported Monochrome CCD
Ports	BNC Output
Expansion interfaces	USB, foot pedal interfaces
Adjustment range	X-axis 7 mm; Y-axis 4 mm
Display	8 inch (4:3), 1024 × 768 px
Power supply	12 V / 2 A adapter
Weight / Dimensions	1.75 kg; 264 × 281 × 206 mm
Expansion options	Dual-magnification, scan-to-save

Product Configuration

Item	ETN131-MT	ETN131-MF
Inspection scope	MPO/MMC connectors, MT/TMT ferrules and duplex LC	400G/800G/1.6T optical module end faces
Adapter	MPO-PC/APC	OSFP-800G-APC (1.6T)
Power adapter	12 V / 2 A DC power supply	12 V / 2 A DC power supply

Ordering Information

Select ETN131-MT for connector and ferrule inspection, or ETN131-MF for optical module inspection. Specify the required adapters and expansion options, including dual magnification and scan-to-save.

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