

AQ7280 OTDR New OTDR Units

Three new OTDR units enhance the AQ7280 Optical Time Domain Reflectometer

The AQ7280 series OTDR has been well-received due to its excellent operability and versatile functions such as the multi-touch screen, multi-fiber application, one tap report generation.

The three new OTDR units broaden the application coverage of the AQ7280 OTDR and provide more options for customers to choose a suitable solution for their needs. The AQ7283J, AQ7283E, and AQ7282G are especially designed for the water-peak testing of optical fibers, the monitoring of live communications lines, and the service of FTTH networks, respectively. Additionally, a new “MULTIMODE” stabilized light source option became available for the AQ7282M OTDR units.



AQ7283J Supports 1383 nm for optical fiber cable inspection 1-port OTDR 1310/1383/1550/1625 nm

- Supports the water-peak wavelength of 1383 nm where water ions (OH) in optical fibers absorb light.
- Suitable for the inspection of optical fiber production and the cabling process of optical fibers.
- Its portability allows the on-site testing of communications network lines when CWDM networks are introduced.

AQ7283E Equipped with “FILTERED” 1625 nm port for live-line maintenance 2-port OTDR 1310/1550 and 1625 nm

- A built-in 1625 nm port with a cut filter to isolate from the communications wavelength enables the measurement of live-lines without being disturbed by active communications signals.
- The wavelength accuracy of 1625 nm ±10 nm is guaranteed to enable maintenance of 10 GE-PON. Whereas other OTDRs with a broader wavelength tolerance could disturb the 10GE-PON transmission signals.

Note: The AQ7283F is another three-wavelength model with 1310/1550 and filtered 1650 nm.

AQ7282G Three-wavelength model for FTTH network testing 1-port OTDR 1310/1490/1550 nm

- Successor model of the AQ7275 OTDR (735035)
- Suitable for the installation check of FTTH networks that requires the measurement at 1490 nm.
- More affordable price than the AQ7283K that is a four-wavelength model with 1310/1490/1550/1625 nm.

SLS option for AQ7282M “Multimode” stabilized light source



- Wavelength: 850/1300 nm
- Stability: ±0.15 dB
- Suitable for the loss measurement of multimode fibers.

Models	Suffix codes	Descriptions
AQ7283E		3WL 1310/1550, 1625 nm 42/40, 40 dB ^{*1}
AQ7282G		3WL 1310/1490/1550 nm 38/36/36 dB
AQ7283J		4WL 1310/1383/1550/1625 nm 42/39/40/40 dB
AQ7282M		2WL 850/1300 nm (MM) 25/27 dB
Options	/PC	Power checker ^{*2*}
	/SLS	Stabilized light source ^{*4}

^{*1} The port for 1625 nm is equipped with the built-in filter. ^{*2} Not available for AQ7282M.

^{*3} Not applicable to the Port2 of AQ7283E. ^{*4} Not applicable to the wavelength of 1383 nm of AQ7283J.