

SPECIFICATIONS

Center wavelength (nm)		1310+/-20 1550+/-20
Measured fiber		SM (ITU-T G.652)
Distance range (km)		2, 5, 10, 20, 40, 80, 160, 240, 320, 640 ^(Note 4)
Pulse width (sec)		10n, 20n, 50n, 100n, 200n, 500n, 1u, 4u, 10u, 20u, 50u ^(Note 5)
Sampling resolution		Max. 5cm
Distance accuracy(m)	Error of offset	+/-1
	Error of scale	Measurement distance X 2 X 10 ⁻⁵
	Error of sampling	+/-1 sampling resolution
Dynamic range (dB) (SNR = 1) ^(Note 1)		43(45typ.)@1310nm 41(43typ.)@1550nm
Event dead zone (m) ^(Note 2)		2typ.
Attenuation dead zone (m) ^(Note 3)		7typ. @1310nm 8typ. @1550nm
Loss measurement accuracy (dB/dB)		+/-0.05
Stabilized Light source	Wavelength (nm)	1310/1550
	Max. output (dBm)	-3+/-2
	Stability (dB) ^(Note 6)	+/-0.1
Optical connector		AQ9441(*) Universal connector : Option ^(Note 7)
Environment condition	Operating temperature	-10 to 50°C
	Storage temperature	-20 to +60°C
	Humidity	95%RH or less (no condensation)

Specifications without any special remarks, assured at 23±2°C.

The AQ7260 main frame can use this module at the software version 2.00 or later.

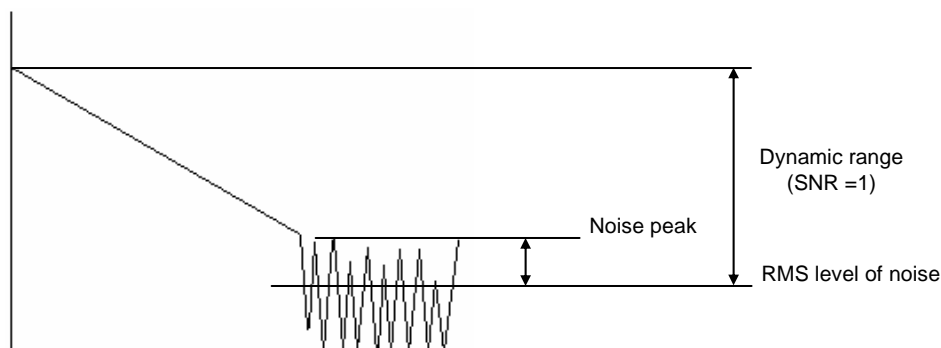
Software version before 2.0 does not operate this module.

(Note 1)

The loss from the connection end of measured fiber to the point at which the back scattering ray level equals the RMS level of noise is expressed dynamic range (SNR =1).

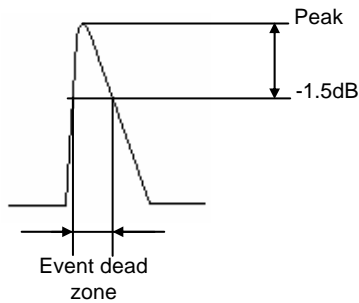
At measurement time : 3 minutes, pulse width : 20 us,

distance range : 160km (1310nm) / 240km (1550nm) or less, filter : ON.



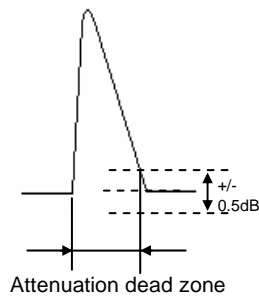
(Note 2)

Distance width between the event peak point, where the return loss is 40 dB or higher (event is not saturated), and the point where the level is 1.5 dB smaller than the event peak. At pulse width : 10ns



(Note 3)

Distance width at points where the optical connector's return loss is 45 dB or higher and the back scatter level is within ± 0.5 dB of the normal level. At pulse width : 10ns



(Note 4) 640km is only 1550nm.

(Note 5) 50 μ sec is only 1550nm.

(Note 6) 5 minutes measurement at constant temperature after 30 minutes warm-up.

(Note 7) Selectable connector types. (FC,SC,ST,DIN)

SAFETY

This instrument uses a laser light source and as such, falls into the category of "Class 1M laser product" specified by "EN60825-1:1994 +A2:2001 Safety of Laser Products-Part 1: Equipment Classification, Requirements and User's Guide".

INVISIBLE LASER RADIATION
DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS
CLASS 1M LASER PRODUCT

Model name and MS code

MS code	Model name
735010-STD00	AQ7265 SMF Module

OUTSIDE VIEW

