



TQ8111 White Light Source

TQ8111 is a white light source which can be used together with an optical spectrum analyzer to measure loss wavelength characteristics of optical devices and fibers. It employs a high-power halogen lamp and the automatic power control (APC) circuit to obtain optical power with stable output level.

Specifications

Wavelength range: 0.4 to 1.75 μm or higher

Output: When 2 m graded-index fiber (50/125NA0.2) is used

CH 1: -43 dBm/10 nm or longer (with 0.85 and 1.3 μm wavelength)

CH 2: -50 dBm/10 nm or longer (with 0.85 and 1.3 μm wavelength)

(CH 2 collects light with a collimator and incorporates an optical components holder for loss wavelength characteristics measurement.)

Output stability: ± 0.05 dB (at $+23 \pm 1^\circ\text{C}$ for 10 minutes)

Optical components holder: Built-in sample chamber for storing optical components for loss wavelength characteristic measurement (Dimensions of sample: Approx. 40 \times 40 \times 40 mm)

Connector: Type FC

Operating temperature and humidity: 0 to $+40^\circ\text{C}$, 85%RH or less

Power supply: Specified at the time of ordering.

Option No.	Standard	32	42	44
Power voltage	90 to 110 V	103 to 142 V	198 to 242 V	207 to 250 V

50/60 Hz, 130 VA or less

Dimensions: Approx. 240 (W) \times 132 (H) \times 310 (D) mm

Mass: 9 kg maximum