Real size

ORL *Optical return loss meter*

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Applications

Contents

Optical Return Loss Measurement
Stabilized Laser Source
Optical Power Measurement
Optical Insertion Loss Measurement
FTTx/PON Wavelength Meter

Optical Return Loss Measurement

- FTTx/PON return loss measurement
- Optical component return loss measurement

Stabilized Laser Source

- Reference light source for loss test
- Wide variable range of output power

Optical Power Measurement

- Optical network power measurement
- Power measurement for components & system

Optical Insertion Loss Measurement

- FTTx/PON connector IL measurement
- Optical network & component IL measurement

FTTx/PON Wavelength Meter

- FTTx/PON wavelength detection
- 1310/1490/1550nm wavelength auto-detection

Specifications

Key Features

Three measurement function in one
- Return loss meter / Laser source / Power meter

Automatic λ detection(1310/1490/1550nm, Option)
Rugged, shock and water-proof for field use
Compact size, lightweight and cost-effective
Quick and easy to operate

Item		Specifications
Fiber & Connector type		Single-mode, SC/APC or FC/APC
Operation mode		Return Loss / Laser Source / Power Meter / Insertion Loss
Optical Return Loss (ORL)	Wavelength	1310nm, 1550nm or 1310/1550nm ±15nm
	Spectral width(rms)	<5nm
	Measurement range	0 ~ 60dB
	Resolution	0.01dB
	Measurement accuracy	±0.5dB(0~40dB), ±1.0dB(40~60dB) @ 20±3℃
Optical Laser Source (LS)	Wavelength	1310nm, 1550nm or 1310/1550nm ±15nm
	Spectral width(rms)	<5nm
	Output power range	-3 ~ -40dBm
	Stability	±0.02dB (15minutes) @ 23±3℃
Optical Power Meter (PM)	Wavelength range	1100 ~ 1650 nm
	Calibrated wavelength	1310/1490/1550 nm, Automatic λ Detection (Option)
	Measurement range	10 ~ -65dBm
	Resolution	0.01dB
	Measurement accuracy	±0.5dB @-20dBm
General Spec.	Size(H×W×D) & Weight	138 x 73 x 30 mm, 205g
	Temperature (operating)	-10℃ to 50℃ (0~90%)
	Temperature (storage)	-30℃ to 60℃ (0~90%)
	Batteries	Lithium-Ion Rechargeable, AC Adapter
	Battery life	11hrs (for ORL Meter), 30hrs (for Power Meter)
	Display	LCD w/LED backlight
	Data storage	300 measurements