

Optical Light Source Comparison

Specification	Meaning	KI 7400 series	EXFO FLS-300 series	FOT-700 series	Acterna OLS-15
'Autotest'					
Trade name		'Autotest'	'Auto-λ recognition'	λ Auto	Twintest
Autotest compatibility with other products	More is better	All KI7000 & KI3000 series Meters, Loss Test Set & Agilent N397xA Handheld series	Only compatible with FPM-300 Meter & FOT-300 Loss Test Set	Only compatible with FOT-700 Meter & Loss Test Set	All other series Meters
Distance Referencing	Yes is better	Yes	Yes	No	No
Auto wavelength recognition	Yes is better	Yes	Yes	Yes	Yes
Source s/n identification	Yes is better	Yes	No	No	No
Source					
Max sources on one port	More is better	4	3	2	2
Warm-up period	Less is better	Zero	15 min	20 min	15 min
Stability	Less is better	0.03 dB max, for 15 min No warm up	0.1 dB, 8 hr @ 23°C ± 1°C after warm up	0.1 dB @ 8 hr, 23°C±1°C after 20-min warm up, FC/UPC connector	0.02 dB typ, 15 min, Δ 0.3 °C (Δ 0.6 °C = after warm up), 0.2dB, 8hr, Δ 3°C
Stability over temperature	Less is better	0.2 dB max -15 to 55°C	Not specified	0.5 dB/0.8dB @ 1310/1550 -10 to 40 °C	Not specified
Battery life	Longer is better	190 hours typ	120 hours	150 hrs both NiMh & AA batteries	28 hour typ
Output power adjustment		6 dB in 0.01 dB steps	No	Laser: 7.5 dB in 0.1 dB steps	No
Spectral width	Smaller is better	3 nm typ	< 5 nm	< 5 nm	< 5 nm
General					
Optical connector protected during use	Yes is better	Yes	No	No	No
Standard optical connector	More is better	SC, FC, ST	Fixed or Select one	Select one	Select one
Metal free connector ¹	Yes is better	Yes	No	No	No
Small Form Factor Connectors		LC, F3000, MU	No	No	No
Modulation	More is better	270, 1k, 2k Hz	270, 1k, 2k Hz	270, 1k, 2k Hz	270, 1K, 2K Hz
Operation temperature	Bigger is better	-15 to 55 °C	-10 to 50 °C	-10 to 50 °C	-10 to 50 °C
Weight / Volume	Smaller is better	500 gm / 1012 cc	400 gm / 1018 cc	860 gm / 1763 cc	500 gm/ 908 cc
Standard accessories		ST, FC, SC optical connectors , traceable calibration certificate, wrist strap	One connector adaptor, calibration certificate, wrist strap, alcohol cleaning pads, AC adapter	One optical connector style Manual, charger, batteries, carry case, holster, cleaning pads, calibration certificate	One optical connector adaptor, batteries, manual
Warranty	Longer is better	3 - 7 years	3 years	1 year	1 year
Product maturity		Mature	immature	Mature	Mature

Note 1: Kingfisher instrument is supplied with metal-free optical interchangeable connector adaptors, which avoid critical contamination of connectors used in high power applications.

Disclaimer: This comparison is based on our interpretation of published specifications. No liability is accepted for any inaccuracy. We would be pleased to amend anything found to be inaccurate.
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