Revision 4 (17Feb2022)

Specification	1	Meaning	KI 2824	VIAVI (JDSU) OLS-85 2313/05	EXFO FLS-300-12D -23BL	Noyes OLS 4
Model pictures (not to scale)			550- 250- 250- 250- 250- 250- 250- 250-		LE LE COLO	The state of the s
Automatic te	est					
Trade name			'Autotest'	'Auto-λ / Multi-λ'	'Auto-λ recognition'	'Wave ID'
Autotest compatibility with other products		More is better	All KI2000, KI3000, KI7000 series Meters, Loss Test Set & Two Way Testers	OLP-3x, OLP-55, OLP-85	Only FPM-300 Meter & FOT-300 Loss Test Set	Only OPM 4 & 5
Auto waveleng	gth recognition	Yes is better	Yes	Yes	Yes	Yes
Source s/n ide	entification	Yes is better	Yes	No	No	No
Source						
Wavelengths			LED: 850/1300 nm, Laser: 1310/1550 ± 20 nm	MM: $850/1300 \pm 20$ nm, SM: $1310/1550 \pm 20$ nm	LED: $850 \pm 25 \text{ nm}$ LED: $1300 + 50/-20 \text{ nm}$ Laser: $1310/1550 \pm 20 \text{ nm}$	LED: $850 \pm 30 \text{ nm}$ LED: $1300 + 30/-20 \text{nm}$ Laser: $1310/1550 \pm 20 \text{ nm}$
Spectral width Smaller is bette		Smaller is better	Laser: 3 nm(typ)	MM: 50 for 850nm, 170 for 1300nm SM: 5 nm	Laser: ≤ 5 nm	Laser: 5 nm max LED: 40(typ) for 850nm, 120nm (typ) for 1300nm
Warm-up period Smaller is bette		Smaller is better	15 min	Not specified but implied, 20 min	15 min	Laser: 15 min, LED: 5 min
Option for zero warm-up light source			Yes	No	No	No
Stability	Standard light source	e Smaller is better	LED: 0.01 dB (typ) Laser: 0.04 dB (typ) (for 15 min after warm up; ±2°C)	Short term: ± 0.02 dB, within 15 min Long term: ± 0.2 dB, within 8 hours, ± 0.3 °C, after warm-up	0.1 dB, 8 hr $ ext{@ }23^{\circ}\text{C }\pm1^{\circ}\text{C}$, after warm up	0.1 dB over 8 hr after warm-up
	Zero warm-up light source		Laser:0.03 dB (typ) (no warm-up for 15 min; $\pm \Delta 3^{\circ}$ C)	NA	NA	NA
Stability over temperature	Standard light source	Smaller is better	LED: 0.35dB (typ) over -15 to 55°C Laser: 0.6dB (typ) over -15 to 55°C	Not specified	Not specified	Not specified
	Zero warm-up light source		Laser: ≤0.2dB over −15 to 55°C	NA	NA	NA

LED: -20 d8m MM: -20 d8m LED: -20 d8m MM: -20 d8m LED: -20 d8m NM:	Specification	Meaning	KI 2824	VIAVI (JDSU) OLS-85 2313/05	EXFO FLS-300-12D -23BL	Noyes OLS 4
Feeding Fully Compilant Pees is better 850 & 1300 nm 850nm No No specified Not specifi	Output power		0.01 step)			
Smaller is better 0.1 dB (95% confidence) Not specified Not specified Not specified Section repeatability Smaller is better 0.1 dB (95% confidence) Not specified Section No	Output power accuracy	Smaller is better	± 1 dB (over operation temperature)	Not specified	Not specified	Not specified
Description of the section of the se	Encircled Flux compliant	Yes is better	850 & 1300 nm	850nm	No	No
No N	Reconnection repeatability	Smaller is better	0.1 dB (95% confidence)	Not specified	Not specified	Not specified
VisiTester mixes a laser VFL with Autotest, so at the power meter end, the active test fiber winks, making it obvious to the user VFL (Visual Fault Locator) Yes Yes Yes Yes Yes No No No Seneral Servicial Serv	Other unique features					
Isser VFL with Autotest, so at the power meter end, the active test fiber winks, making it obvious to the user Yes Yes Yes No	Dust Cap with tiltbail function		Yes	No	No	No
Secretal Sacklit LCD display Yes is better Yes Adjustable brightness No No No Sunlight readability Good Not specified Good Good Tilt Bail Yes is better Yes No No No No anyard mount Yes is better Yes No Mo Yes Yes Sasy grip, all adult hands Yes is better Yes No (much too thick) No (much too thick) Yes Standard connector Interchangeable is better SC interchangeable SC & FC interchangable 1 from the available 2 from the available 4 from the av	VisiTester option	laser VFL with Autotest, so at the power meter end, the active test fiber winks, making it obvious	Yes	No	No	No
Adjustable brightness No No No Sunlight readability Yes is better Yes Not specified Good Good It Bail Yes is better Yes No	VFL (Visual Fault Locator)		Yes	Yes	No	No
Funlight readability Good Not specified Good Good Not specified Good No No No No No No No No No	General					
Yes is better Yes No No No No No anyard mount Yes is better Yes No (much too thick) No (much too thick) Yes Standard connector Standard connector Standard connector 13 3 3 12 4	Backlit LCD display	Yes is better	Yes	Adjustable brightness	No	No
Anyard mount Yes is better Yes No Yes No (much too thick) No (much too thick) Yes Standard connector Standard connector Standard connector option Yes No (much too thick) SC & FC interchangable 1 from the available 12 1 from the available 4 Connector option 13 3 12 4	Sunlight readability		Good	Not specified	Good	Good
Fasy grip, all adult hands Yes is better Yes No (much too thick) No (much too thick) Yes Standard connector Interchangeable is better SC interchangeable SC & FC interchangable 1 from the available 12 1 from the available 4 1 from the available 12 1 from the available 4	Tilt Bail	Yes is better	Yes	No	No	No
Interchangeable is better SC interchangeable SC & FC interchangable 1 from the available 12 1 from the available 12 1 from the available 12 4	Lanyard mount	Yes is better	Yes	No	Yes	Yes
Somector option 13 3 12 4	Easy grip, all adult hands	Yes is better	Yes	No (much too thick)	No (much too thick)	Yes
Connector option 13 3 12 4	Standard connector		SC interchangeable	SC & FC interchangable	1 from the avaiable 12	1 from the available 4
Metal free connector ¹ Yes is better Yes No No No No	Connector option		13	3	12	4
	Metal free connector ¹	Yes is better	Yes	No	No	No

Specification	Meaning	KI 2824	VIAVI (JDSU) OLS-85 2313/05	EXFO FLS-300-12D -23BL	Noyes OLS 4
Modulation	More is better	270, 1k, 2k Hz	270, 1k, 2k Hz	270, 1k, 2k Hz	270, 330, 1k, 2k Hz
Internal power supply		2x Alkaline AA Or 2x NiMH AA cells	8x AA Dry Battery Or LiON battery pack	3x AA Batteries	2x AA Battery
Battery life	Longer is better	80~90 hours	>10 h (lithium-ion, LiON) / >8 h (alkaline AA cells)	120 hours	30~72 hours
External power/charging		Via micro USB	Via AC Adapter	Via AC Adapter	Via optional AC Adapter
Operation/storage temperatures	Bigger is better	-15 to 55 °C / -25 to 70 °C	-10 to 55 °C / -20 to 70 °C	-10 to 50 °C / -40 to 70 °C	-10 to 50 °C / -30 to 60 °C
Weight / Volume	Smaller is better	420 gm / 698 cc	750 gm / 1491 cc	400 gm / 1018 cc	290 gm / 431 cc
Standard accessories		SC optical adapter,Operations manual, ILAC/ISO 17025 traceable calibration certificates, Carry pouch, Carry strap, Mandrel wraps(for MM sources), USB cable	SC2 soft shoulder case, Reporting software on USB stick, Optical adapters: SC-type and FC-type (interchangeable), User manual, 8x alkaline batteries	User guide, Certificate of Calibration, instrument stickers in six languages, AC adapter, three AA batteries, wrist strap	Protective rubber boot, 2x AA batteries, mandrels, carry case.
Traceable calibration		ILAC/ISO 17025	No	No	No
Calibration cycle	Longer is better	3 years	3 years	3 years	Not specified
Warranty	Longer is better	3 ~ 7 years	1 year	3 years	5 years

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.