



XG-PON Meter Comparisons (revision 1: 7 Jun 2023)

Models	Kingfisher: KI 6106	Viavi: OLP-88 (2327/37)
Model pictures (not to scale)		
Detector	InGaAs	InGaAs
Wavelength (nm)	1270 (Upstream) 1310 (Upstream) 1490 (Downstream) 1577 (Downstream)	1270 (Upstream) 1310 (Upstream) 1490 (Downstream) 1577 (Downstream)
Passband (nm)	1270 nm: 1260 ~ 1280 1310 nm: 1290 ~ 1330 1490 nm: 1470 ~ 1505 1577 nm: 1570 ~ 1585	1270 & 1310 nm: 1250 ~ 1330 1490 nm: 1450 ~ 1495 1577 nm: 1528 ~ 1610
Measurement range (dBm)	1270 nm: -30 ~ 10 1310 nm: -30 ~ 10 1490 nm: -45 ~ 10 1577 nm: -45 ~ 10	1270 nm: -40 ~ 13 dBm 1310 nm: -40 ~ 13 dBm 1490 nm: -45 ~ 7 dBm 1577 nm: -45 ~ 13 dBm
Damage level (dBm)	>10	1270, 1310 nm: 17 dBm 1490 nm: 9 dBm 1577 nm: 15 dBm
Isolation (dB)	@1270 nm: >30 for 1310 nm; >40 for 1490 & 1577 nm @ 1310 nm: >30 for 1270 nm; >40 for 1490 & 1577 nm @ 1490 nm: >40 for 1270 & 1310 & 1577 nm @ 1577 nm: >40 for 1270 & 1310 & 1490 nm	Not specified
Uncertainty (dB)	± 0.5	± 0.5
PDL (dB)	< 0.25	Not specified
Linearity (dB)	0.1	Not specified
Insertion Loss (dB)	< 1.5	Not specified
ORL (dB)	50	Not specified
Auto pass/fail	Y	Y

Models	Kingfisher: KI 6106	Viavi: OLP-88 (2327/37)
Connectors	SC-APC	SC-APC
Display	44 x 57 mm (1.73 x 2.24 "), monochrome back lit sunlight readable LCD	3.5" TFT color touchscreen
Show Results	dB, dBm, W, pass/fail	dB, dBm, W, pass/fail
Display Resolution	0.01 dB	0.01 dB
Auto off function	Selectable auto-off	Selectable auto-off
Remote control	N	Y
Reporting software	Y	Y
Memory Size, fibers	99 records of 4 λ test with timestamp	Up to 10,000 PON results
Power supply	7.4V 1000mAH rechargeable Lithium battery	8x AA-size batteries or PS4 AC/DC Power Supply or RBP2 Lilon Battery Pack
Operating hour	10 hrs	12 hrs
Instrument case	1.2 m drop tested	Not specified
Operate / storage temperature	-10 ~ 50 °C / -25 ~ 70 °C	-10 ~ 55 °C / -20 ~70 °C
Relative humidity	0.95	
Size	200 x 90 x 43 mm (7.87 x 3.54 x 1.69 ")	208 x 112 x 64 mm (8.2 x 4.4 x 2.5 ")
Weight	0.4 kg (0.9 lbs.)	0.8 kg (1.6 lbs.)
Recommended calibration cycle	3 years	3 years
Warranty	1 year	1 year

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.