

## Handheld Fiber Inspection Microscope Comparison (v3)

Specification	Meaning	KI 6610	AFL NOYES OFS 300	JDSU FM-DI200	Lumen x200	PriorSpec II
						
Magnification		x200	x200	x200	x200	x200
Optical Magnification option	Bold is better	<b>x400</b>	No	x100	x400	<b>x400</b>
Eye Safety Filter for VFL	Bold is better	<b>Yes</b>	No	No	No	No
Eye Safety Filter for IR		Yes	Yes	Yes	Yes	Yes
Easy check IR Filter presence	Bold is better	<b>Yes</b>	No	No	No	<b>Yes</b>
Max eye safe input limits: 635 ~ 800 nm: +20 dBm 800 ~ 1650 nm: +30 dBm	Bold is better	<b>Yes</b>	Not specified	Not specified	Not specified	Not specified
Useful safety Labeling	Bold is better	<b>Yes</b>	No	No	No	No
Illumination	Bold is better	<b>1) Coaxial; 2) Oblique; 3) Core illumination</b>	Coaxial	1) Coaxial; 2) Oblique	1) Coaxial; 2) Core illumination	Coaxial
Stabilised illumination	Bold is better	<b>Yes</b>	No	No	No	<b>Yes</b>
Easy XY-alignment image centring	Bold is better	<b>Yes On the microscope</b>	No	No Adjust using hex key	No	<b>Yes On the adaptor holder</b>
2.5 & 1.25 mm, PC / APC connector adaptors to fit both simplex and duplex connectors	Bold is better	<b>Yes</b>	No	No	No	No
Adaptor mount		Universal, thread-on	Universal, thread-on	Universal, thread-on	Universal, thread-on	Universal, snap-into
Adaptor converter for various scope connector adaptors, includes MPO/MTP, MTRJ, OptiTap etc.	Bold is better	<b>Yes</b>	No	<b>Yes</b>	<b>No</b>	No
Battery		1 AAA battery	2 x AA batteries	3 x coin cell (LR44) batteries	3 AAA batteries	2 x AA batteries
Battery life	Bold is better	<b>300 hrs for coaxial illumination</b>	60 hrs	7 hrs	30 hrs	Not specified
External power	Bold is better	<b>Yes, via micro-USB</b>	No	No	No	No
Low battery indicator	Bold is better	<b>Yes</b>	<b>Yes</b>	No	No	<b>Yes</b>
Illumination timer	Bold is better	<b>Yes</b>	No	No	No	No
Microscope damage power level	Bold is better	<b>+30 dBm</b>	Not specified	Not specified	Not specified	Not specified

Dimensions	Bold is better	225 x 40 mm / 8.9" x 1.6"	130 x 200 mm / 5.1 x 7.9"	184.4 (L) x 49.3 (W) mm / 7.3" x 1.9"	225 x 50 mm / 8.9" x 2.0"	165 (L) x 95 (W) / 6.5" x 3.7"
Weight	Bold is better	0.3 kg / 0.7 lb	0.67 kg / 1.5 lb	<b>0.21 kg / 0.47 lb</b>	0.5 kg / 1.1 lb	0.5 kg / 1.11 lb
Tripod mount	Bold is better	<b>Yes</b>	<b>Yes</b>	No	No	No
Wrist strap mount	Bold is better	<b>Yes</b>	<b>Yes</b>	No	No	No
Operating temperature	Bold is better	<b>-15 to 55°C</b>	0 to +50 °C	Not specified	Not specified	Not specified
Storage temperature	Bold is better	<b>-25 to 70°C</b>	-20 to +50 °C	Not specified	Not specified	Not specified
Standard warranty	Bold is better	<b>3 years</b>	1 year	1 year	1 year	1 year
<u>Low cost adaptor kit option:</u> Include: 2.5 mm Universal APC, 1.25mm Universal, 1.25 mm Universal APC & adaptor converter to 7/8 UN-28 TPI female	Bold is better	<b>Yes</b>	No	No	No	No
Standard accessories	More is better	Soft pouch, 1 AAA Battery, Scope adaptor 2.5 mm Universal, User guide, USB A- to-micro B cable, Wrist strap	2 x AA batteries, neck strap, 2.5 mm universal adapter cap, user guide	2.5 mm universal adaptor, carrying case, user guide	2.5 mm universal adaptor, carrying case, user guide	2.5 mm universal adaptor, carrying case, user guide
Country of origin		Australia	USA	China	China	UK

Disclaimer: This comparison is based on our interpretation of published documentation.