

# Specifications

## VFL 101 and Fiber Cleaver

**NOTE:** The VFL is a class 2 (II) laser product. It meets the safety regulations of IEC-60825, FDA 21 CFR 1040.10, and FDA 21 CFR 1040.11.

### Optical specifications — VFL 101

Number/type.....	1 laser emitter
Connectors .....	(1) 1.25 mm universal connector with LC and MU adapters
Wavelengths .....	635 nm

### General — VFL 101

Power supply.....	Internal battery
Power consumption .....	1.2 watts, 1.5 VDC
Batteries	
Number/type .....	1 AAA battery (1.5 V alkaline or 1.2 V rechargeable)
Operating time (nominal) .....	16 hours
Temperature/humidity .....	Storage: -22 to +140 °F (-30 to +60 °C) / 10% to 90%, noncondensing Operating: +14 to +122 °F (-10 to +50 °C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Thermal dissipation .....	0.5 BTU/hr
Mounting.....	No
Enclosure type.....	Plastic
Enclosure dimensions .....	2.8" H x 1.4" W x 0.6" D (7.1 cm H x 3.6 cm W x 1.5 cm D) (Excluding connectors.)
Product weight.....	0.1 lb (<0.1 kg)
Shipping weight.....	<1 lb (<1 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety .....	EN 61010-1
EMI/EMC .....	EN 61000-4, EN 61326-1
Warranty.....	3 years parts and labor, excluding battery

### General — Fiber Cleaver

Cleavage angle.....	<0.5°
Enclosure dimensions .....	1.6" H x 2.7" W x 3.2" D (4.1 cm H x 6.9 cm W x 8.2 cm D)
Product weight.....	0.4 lb (0.2 kg)
Shipping weight.....	<1 lb (<1 kg)
MTBF .....	48,000 single fiber cleaves
Warranty.....	3 years parts and labor

**NOTE:** All nominal levels are at ±10%.

**NOTE:** Specifications are subject to change without notice.

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