

Optical Fiber Inspection Tools

Heavy-Duty Field VFLs

- 269-VFL01 Optical Fiber Visual Fault Locator, Hand-Held, 5-mW, 2.5-mm Adapter
- 269-VFL01-1A 1.25-mm Adapter for 269-VFL01

CHARACTERISTICS

Light source:	650-nm laser diode (Class 3R/IIIa); visible light, red.
Modes of operation:	continuous or pulse (2 Hz–3 Hz); LED mode indicator; one-button operation.
Plug compatibility:	2.5-mm ferrules (default); 1.25-mm ferrules (with optional adapter, not included).
Fiber compatibility:	multimode: 50- μ m–62.5- μ m core; singlemode: 8- μ m–10- μ m core.
Adapter:	2.5-mm Zirconia ceramic split sleeve.
Output power:	singlemode fiber: >0.5 mW (-3 dBm).
Detection distance:	6 km (~4 mi) max.
Power:	two 1.5-V AA batteries (not included); continuous operation: \geq 40 h.
Protection:	end cap per radiation safety standards; dust-proof.
Materials:	body, handle: aluminum alloy; cap: rubber.
Dimensions:	diameter: 24 mm (1 in); length: 170 mm (6.7 in) without adapter.
Weight:	160 g (5.6 oz) without batteries.
Operating temperature:	0 °C–+70 °C (32 °F–+158 °F).
Operating humidity:	\leq 95 % RH non-condensing.
Compliance:	CFR Title 21 Part 1002; ANSI/IEC/U.S. FDA Class 3R/IIIa.
Accessories:	fabric pouch with belt loop.



- 269-VFL03 Optical Fiber Visual Fault Locator, Hand-Held, 1-mW, 2.5-mm Adapter

CHARACTERISTICS

Light source:	laser diode (LD), Class 3R/IIIa; wavelength: 650 nm \pm 20 nm (visible red).
Modes of operation:	continuous or pulse (~2 Hz); LED mode indicator; three-position slide-switch operation.
Plug compatibility:	2.5-mm ferrules (default); 1.25-mm ferrules (with optional adapter, not included).
Fiber compatibility:	multimode: 50- μ m–62.5- μ m core; singlemode: 8- μ m–10- μ m core.
Adapter:	2.5-mm Zirconia ceramic split sleeve.
Output power:	1 mW.
Detection distance:	\geq 5 km (~3 mi).
Power:	two 1.5-V AA batteries (included); continuous operation: \geq 40 h.
Protection:	end cap per radiation safety standards; dust-proof.
Dimensions:	diameter: 26 mm (1 in); length: 175 mm (6.9 in).
Weight:	173 g (6.1 oz) without batteries.
Storage temperature:	-20 °C–+70 °C (-4 °F–+185 °F).
Operating temperature:	0 °C–+60 °C (32 °F–+140 °F).
Operating humidity:	\leq 95 % RH non-condensing.
Compliance:	CFR Title 21 Part 1002; ANSI/IEC/U.S. FDA Class 3R/IIIa.
Accessories:	fabric pouch with belt loop.



Optical Fiber Inspection Tools

Pen-Style Pocket VFL

- 269-VFL02 Optical Fiber Visual Fault Locator, Pen-Style, 5-mW, 2.5-mm Adapter
- 269-VFL02-1A 1.25-mm Adapter for 269-VFL02

CHARACTERISTICS

Light source:	650-nm laser diode (Class 3R/IIIa); visible light, red.
Modes of operation:	continuous or pulse (2 Hz–3 Hz); one-button operation.
Plug compatibility:	2.5-mm ferrules (default); 1.25-mm ferrules (with optional adapter, not included).
Fiber compatibility:	multimode: 50- μ m–62.5- μ m core; singlemode: 8- μ m–10- μ m core.
Adapter:	2.5-mm Zirconia ceramic split sleeve.
Output power:	singlemode fiber: >0.5 mW (-3 dB).
Detection distance:	6 km (~4 mi) max.
Power:	two 1.5-V AAA alkaline batteries (not included); continuous operation: \geq 40 h.
Protection:	end cap per radiation safety standards; dust-proof.
Dimensions:	diameter: 14 mm (0.6 in); length: 170 mm (6.7 in) without adapter.
Weight:	88 g (3 oz) with batteries.
Storage temperature:	-20 °C–+60 °C (-4 °F–+140 °F).
Operating temperature:	0 °C–+40 °C (32 °F–+104 °F).
Operating humidity:	\leq 95 % RH non-condensing.
Compliance:	CFR Title 21 Part 1002; ANSI/IEC/U.S. FDA Class 3R/IIIa.

AS DELIVERED, CAP ON



AS DELIVERED, CAP OFF



WITH 269-VFL02-1A ADAPTER ON



269-VFL02-1A



Compact VFL

- 269-VFL04 Optical Fiber Visual Fault Locator, Compact, 5-mW, 2.5-mm Adapter

CHARACTERISTICS

Light source:	laser diode (LD), Class 3R/IIIa; wavelength: 650 nm \pm 20 nm (visible red).
Modes of operation:	continuous or pulse (~2 Hz); LED mode indicator; two-button operation.
Plug compatibility:	2.5-mm ferrules (default); 1.25-mm ferrules (with optional adapter, not included).
Fiber compatibility:	multimode: 50- μ m–62.5- μ m core; singlemode: 8- μ m–10- μ m core.
Adapter:	2.5-mm Zirconia ceramic split sleeve.
Output power:	5 mW .
Detection distance:	\geq 6 km (~4 mi).
Power:	two 1.5-V AAA batteries (included); continuous operation: ~13 h; CW operation: ~23 h.
Protection:	end cap per radiation safety standards; dust-proof.
Dimensions:	length: 133 mm (5.2 in); width: 40 mm (1.5 in); height: 30 mm (1.3 in).
Weight:	68 g (2.4 oz) without batteries.
Storage temperature:	-20 °C–+70 °C (-4 °F–+158 °F).
Storage humidity:	\leq 90 % RH non-condensing.
Operating temperature:	0 °C–+40 °C (32 °F–+104 °F).
Operating humidity:	\leq 90 % RH non-condensing.
Compliance:	CFR Title 21 Part 1002; ANSI/IEC/U.S. FDA Class 3R/IIIa.

