

FOCIS Flex Lite

The FOCIS Flex Lite excels in quickly and accurately analyzing fiber connectors, providing technicians with clear and reliable results based on industry and user-defined criteria. With the press of a single button, FOCIS Flex Lite auto-focuses, centers and captures the end-face image, analyzes connector by applying pass/fail rules, and displays results instantly. This simple operation eliminates guesswork, enabling precise and reliable inspection within seconds. It is fast, small, and easy to use to enable 100% connector inspection. Independent, untethered operation: FOCIS Flex Lite can be used independently without requiring an external OTDR or display unit. Its untethered, portable design with integrated display is compact, and a rechargeable battery makes it ideal for on-the-go technicians and highvolume service providers. Its user-friendly design and straightforward operation, allowing technicians to easily navigate through the inspection process. Wide range of adapter tips: Interchangeable adapter tips support connector inspection for a wide range of both single-fiber and multi-fiber patchcords and bulkhead-mounted connectors having either PC or APC polished end-faces. Affordable solution: The FOCIS Flex Lite is designed to meet high-volume demand from service providers seeking a cost-effective option without compromising on essential features, analysis, and inspection performance. FOCIS Flex Lite makes connector inspection simple, fast, and convenient.

Features

- 1-button to auto-focus, center, capture, analyze, and display results
- IEC, IPC, and user-defined pass/fail analysis
- Untethered, compact, hand-held inspection
- Cost-effective inspection without compromise

Applications

- Inspect connectors on patch cords or in bulkhead adapters
- Optical network installation, troubleshooting, and maintenance
- Assure critical fiber infrastructure performs properly
- Keep fiber connections working at optimal performance levels
- Verify proper connector cleaning practices are being used



Specifications

OPTICAL PERFORMANCE	
Field of View (viewed on FOCIS Flex Lite)	Live: 710 x 860 μm ; Captured, Zoomed Out: 560 x 600 μm ; Captured, Partially Zoomed In: 360 x 390 μm ; Captured, Fully Zoomed In: 180 x 195 μm
Manual Detection Capability (minimum)	0.25 μm
Auto Analysis Resolution	<1.0 μm
OPERATING FEATURES	
Focus	Auto-focus and manual focus
Centering	Auto-centering after capture
Pass/Fail Analysis	IEC 61300-3-35 (2015), IPC and user-defined criteria
Supported Languages	English, Chinese Simplified, Chinese Traditional, Finnish, French, German, Italian, Japanese, Korean, Polish, Russian, Spanish, Turkish
PHYSICAL AND POWER CHARACTERISTICS	
Display size, type, resolution	2.4", TFT, 240 x 320 with brightness control
Battery Type	LiPol, user replaceable
Battery Operating Time (typical)	8 hours (60 tests in 20 minutes each hour; auto-off enabled)
Recharge Time	<4.5 hours
Power Save Features	Auto-off (disabled, 2, 5, 10 minutes)
AC Charger voltage, frequency, current	100-240 V, 50/60 Hz, 5VDC, 2A
Charger	USB-C
Size	47 x 37 x 175 mm (1.8 x 1.5 x 6.8 in)
Weight	170 g (0.37 lb)
ENVIRONMENTAL CHARACTERISTICS	
Operating Temperature	0 to +50 $^{\circ}\text{C}$
Storage Temperature	-40 to +70 $^{\circ}\text{C}$
Relative Humidity	95%, non-condensing
Transit and shock	2G vibration, 30G shock

Notes: a. All specifications valid at 23 $^{\circ}\text{C}$ \pm 2 $^{\circ}\text{C}$ (73.4 $^{\circ}\text{F}$ \pm 3.6 $^{\circ}\text{F}$).

Ordering Information

PART NUMBER	DESCRIPTION
FOCIS-LITE-N	FOCIS Flex Lite Kit, soft carry case/holster, USB-C cable, reference guide, no tips
FOCIS-LITE-U	FOCIS Flex Lite Kit, soft carry case/holster, USB-C cable, reference guide, 2 user-selected UPC adapter tips (ferrule and bulkhead), user-selected One-Click cleaner
FOCIS-LITE-A	FOCIS Flex Lite Kit, soft carry case/holster, USB-C cable, reference guide, 2 user-selected APC adapter tips (ferrule and bulkhead), user-selected One-Click cleaner
FOCIS-LITE-UA	FOCIS Flex Lite Kit, soft carry case/holster, USB-C cable, reference guide, user-selected UPC adapter tips (ferrule and bulkhead), 2 user-selected APC adapter tips (ferrule and bulkhead), user-selected One-Click cleaner
FFLX-01-SC	SC/UPC bulkhead
FFLX-01-FC	FC/UPC bulkhead
FFLX-01-ST	ST/UPC bulkhead

PART NUMBER	DESCRIPTION
FFLX-01-LC	LC/UPC bulkhead
FFLX-4S-ASC	SC/APC bulkhead, quad slotted
FFLX-4S-AFC	FC/APC bulkhead, quad slotted
FFLX-4S-ALC	LC/APC bulkhead, quad slotted with internal prism
FFLX-01-U25	Universal 2.5 mm, UPC ferrule
FFLX-01-A25	Universal 2.5 mm, APC ferrule
FFLX-01-U125	Universal 1.25 mm, UPC ferrule
FFLX-01-A125	Universal 1.25 mm, APC ferrule
FFLX-01-EXTS46	FOCIS Flex Lite adapter extension tube, straight, 46 mm
FFLX-01-EXTS80	FOCIS Flex Lite adapter extension tube, straight, 80 mm
FFLX-4S-E2K	E2000 PC/UPC bulkhead adapter tip
FFLX-4S-E2KA	E2000 APC bulkhead adapter tip
FFLX-4S-OTA	Tip for SC/APC (OptiTap®) bulkhead adapter
DFS1-01-0013MR	Tip for OptiTip® APC ferrule and bulkhead adapter
DFS1-00-0037MR	MTP/PC ferrule & bulkhead adapter extended tip kit (base plus MTP/PC front end tip)
DFS1-00-0042MR	MTP/PC and MTP/APC ferrule & bulkhead adapter extended tip kit (base, MTP/PC, MTP/APC front end tips)
DFS1-01-0010MR	MTP/APC ferrule and bulkhead adapter extended tip kit (base plus MTP/APC front end tip)

(Contact AFL for adapter tips for other connector types)