

FOCIS Lightning

Multi-fibre connector inspection system

FEATURES

- Faster inspection with results in seconds
- Clear, intuitive touch screen interface
- Fast inspection thanks for auto focus and auto centring
- Storage for 10,000 individual fibre images, analysis, overlays, and zones tables.



FIELD OF VIEW (FOV; VIEWED ON FOCIS LIGHTNING 2)	LFOV [1] Live: 4333 x 6500µm and 4333 x 5418µm; LFOV [1] captured: 4333 x 5418µm; multi-fibres live: 3200 x 4800µm and 3200 x 4000µm; multi-fibres captured: 3200 x 4000µm; multi-fibres captured, details: 200 x 225µm; single-fibre live: 1314 x 2144µm and 1314 x 1788µm
FIELD OF VIEW (FOV; VIEWED ON A PC)	LFOV [1]: 4333 x 6500µm; multi-fibres: 3200 x 4800µm; single-fibre: 1314 x 2144µm
MANUAL DETECTION CAPABILITY (MINIMUM)	+20dBm; image cannot be viewed if fibre is live
AUTO ANALYSIS RESOLUTION	<1.0µm
INTERNALLY STORED IMAGE SIZE (PIXELS)	LFOV [1]: 3840 x 2560 JPG file; multi-fibres: 3840 x 2560 JPG file, N x 160 x 160 pixels .GIF files; single-fibre: 3840 x 2560 JPG file, 468 x 468 pixels .GIF file
BLUETOOTH IMAGE AND OVERLAY	2 x QVGA (320 x 240; image + overlay) to AFL test instruments; 2 x VGA (640 x 480; image + overlay) files to Apple iOS and Android devices (IAP / MFi)
MAXIMUM NO DAMAGE LIVE FIBRE POWER LEVEL	+20dBm; image cannot be viewed if fibre is live
FOCUS METHODS	Auto-focus and manual focus
CENTRING	Auto-centring captured single-fibre images
ZOOM IN LIVE MODE	1x / 2x / 4x / 8x zoom
IMAGE CAPTURE WITH PASS/FAIL ANALYSIS	IEC 61300-3-35 (2015), AT&T TP-76461, IPC-8497-1, user-set criteria
RESULTS STORAGE (IMAGE AND PASS/FAIL RESULTS)	Yes
FILE FORMAT	JPG, GIF
FILE STORAGE CAPACITY	10,000 files
RESULTS STORAGE CAPACITY	Multi-fibre: 1000, single-fibre: 1500
BLUETOOTH CHARACTERISTICS	IAP (iPod Accessory Protocol), SPP 0 x 1101, Apple Mfi
USB CHARACTERISTICS	Connector USB-C, charging, USB 2.0 mass storage device
STORAGE TEMPERATURE	-40°C to 70°C
OPERATING TEMPERATURE	0°C to 50°C
RELATIVE HUMIDITY	0 to 95% RH
VIBRATION LIMITS	2G (transportation)

TRANSIT DROP (WITHOUT SOFT CASE)	300mm (all sides, dust cover installed)
TRANSIT DROP (WITH SOFT CASE)	460mm (all sides, dust cover installed)
DISPLAY SIZE, TYPE, RESOLUTION	3.5-inch backlit colour TFT touch screen, 320 x 480 with brightness control
BATTERY TYPE	Li-Pol, user-replaceable
OPERATING TIME (TYPICAL) [2]	8 hours; 5 hours continuous
POWER SAVE FEATURES	Auto-off (disabled, 2, 5, 10min)
LOW BATTERY WARNING	Alerts when ≤15 min power remaining
DIMENSIONS	67mm x 32mm x 190mm
WEIGHT	280g
SAFETY AND COMPLIANCE CERTIFICATIONS	UL, CE, FCC

NOTES

All specifications valid at 25°C unless otherwise specified. [1] Large Field of View (LFOV) parameters are provided using LFOV MPO PC and APC adapters.
[2] Operating conditions: 60 tests in 20 minutes, then auto-off; repeat each hour.