

Building Better Networks with ROGUE® | ACROS® Test Suite



FAFL

TURBO



Features

- Quad single-mode/multimode, Dual single-mode or Dual multimode
- Hot-swappable into ROGUE cB1 or iB1 units
- Use with aeRos cloud-based workflow management software
- Integrated FOCIS Flex Inspection capability
- Simultaneous, dual-wavelength, bi-directional loss and length testing through Dual Engine technology
- Integrated Source, Power Meter and Visual Fault Locator (VFL)
- Built-in Encircled Flux compliance



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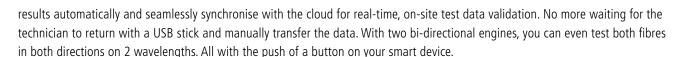
Applications

- Tier 1 certification testing of premise/enterprise networks
- Dual-fibre, dual-wavelength, unidirectional or bi-directional OLTS testing
- Multi-fibre testing: loss, length, ORL, certification with one push of a button
- View results and generate reports anywhere, anytime using aeRos
- Integrated multi-wavelength, bi-directional MPO/multi-fibre testing using optional multi-fibre switch

Each ROGUE OLTS test module uses state-of-the-art technology to produce the most accurate results in the shortest amount of time. Modules contain bi-directional test ports as well as an optical power meter port and visual fault locator. All Multimode ports are Encircled Flux compliant as required by ANSI/TIA and ISO/IEC.

By pairing ROGUE modules with smart device apps, AFL's patent pending architecture enables users to control their test hardware directly from any Android smart device. ROGUE users can easily turn the OLTS solution into a full Tier 1 certifier simply by adding our TURBO Certification app.

Test configurations and instructions are pushed from AFL's aeRos cloud solution to the TURBO app to simplify the process for technicians. When the testing is complete, the



If your network consists of multi-fibre cables and MPO connectors, simply add our Multi-fibre Switch to the ROGUE platform to perform bi-directional, dual-wavelength, multi-fibre testing. AFL's FOCIS Flex wireless inspection probe can also be added for integrated and seamless capture of fibre endface images.

Apps available via Google play store.











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Specifications^a

OLTS	MULTIMODE	SINGLE-MODE							
Emitter Type	LED	Laser							
Wavelengths	850 ±30 nm; 1300 ±20 nm	1310, 1550 ±20 nm							
Safety Class	Class I FDA 21 CFR 1040.10 and 1040.11, IEC EI	Class I FDA 21 CFR 1040.10 and 1040.11, IEC EN60825-1: 2007-03							
Detector Type	InGaAs	InGaAs							
Launch Condition	Encircled Flux Compliant b	N/A							
Length Measurement Range	5 km	200 km (SMF28e)							
Power Measurement Range	-3 to +60 dBm	-3 to +60 dBm							
Output Power	-24/-23 dBm, 62.5/50 μm	-3 dBm, 9 μm							
Stability c	±0.1 dB over 1 hour ±0.15 dB over 8 hours	±0.1 dB over 1 hour ±0.15 dB over 8 hours							
Wave ID Transmit	Yes	Yes							
Tone Generation	330 Hz, 1 kHz, 2 kHz	330 Hz, 1 kHz, 2 kHz							
Input Connector	Interchangeable connector adapter (LC standard, S	Interchangeable connector adapter (LC standard, SC, ST, FC optional)							

OPTICAL POWER METER (OPM)						
Calibrated Wavelengths	850, 1300, 1310, 1490, 1550, 1625, 1650 nm					
Detector Type	InGaAs PIN, 2 mm diameter					
Measurement Range	+3 to -70 dBm					
Wave ID	Automatically synchronises and measures 1, 2 or 3 λ Wave ID combinations					
Range	+3 to -40 dBm @ 850 nm; +3 to -50 dBm @ 1300, 1310, 1550 nm					
Tone Detect	Auto-detects 270, 330 Hz; 1, 2 kHz tones;					
Accuracy	±5% @-10 dBm					
Linearity	±0.1 dB (-3 to -40 dBm); ±0.25 dB (-40 to -50 dBm)					
Measurement Units	Power in dBm, nW, μW, mW; Loss in dB; 0.01 dB resolution					

VISUAL FAULT LOCATOR (VFL)						
Emitter Type	Visible red laser, 650 ±20 nm					
Safety Class	Class II FDA 21 CFR 1040.10 and 1040.11, IEC EN60825-1: 2007-03					
Output Power (nominal)	0.8 mW into single-mode fibre					
Modes	CW and 2 Hz flashing					

GENERAL	
Size	135 x 122 x 43 mm (5.4 x 4.8 x 1.7 in)
Weight	0.4 kg (0.9 lb)
Operating Temperature	-18°C to +50°C, 0 to 95% RH (non-condensing)
Storage Temperature	-30°C, to +60°C, 0 to 95% RH (non-condensing)
CE Safety & EMI/RFI	EN61010-1; EMI/RFI: EN55011, EN61326-1, GR-196-CORE 4.5.1
RoHS	2011/65/EU

Notes

- a. All specifications valid at 23°C ± 2 °C (73.4°F ± 3.6 °F) unless otherwise specified.
- b. TIA-526-14-B,ISO/IEC 14763-3 and IEC 61280-4-1.
- c. After 15 minutes warm-up.



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Ordering Information

ROGUE OLTS Modules

ROGUE OLTS modules must be installed in either a ROGUE cB1 or ROGUE iB1 unit. Each module comes with a ROGUE OLTS Basic license allowing the OLTS module to be used in a ROGUE cB1 or iB1 and enabling basic aeRos OLTS functionality. Each module includes SC connector adapter for the OLTS/OLS ports and universal 2.5 mm adapters for the VFL and OPM (if installed) ports.

PART NUMBER	DESCRIPTION					
RG-1100-Q01	Module – Quad MM 850/1300 nm, SM 1310/1550 nm					
RG-1100-M01-D	Module – MM 850/1300 nm, Dual Engine					
RG-1100-S01-D	Module – SM 1310/1550 nm, Dual Engine					

ROGUE Certification Kits

Each ROGUE Certification kit includes two (2) of each: ROGUE cB1 or iB1 unit, battery, adjustable carry strap, power supply, carry case, kickstand. Each kit also includes kit-specific ROGUE Modules and Turbo Certification license(s) (see table below). All kits include (1) One-Click Cleaner SC/2.5 mm and switchable test port adapters and test accessories (see table below).

PART NUMBER	ROGUE CERTIFICATION	CONTAINS (E.A.)											
KITS		ROGUE BASE		ROGUE MODULES		LICENSE	REFERENCE TEST CORDS		MATING	TEST PORT ADAPTERS			
										ADAPTERS	OLS	OI	ОРМ
		cB1	iB1	QUAD SM/MM	DUAL ENGINE			SM	50 μ M MM	SC	SC	SC	LC
					SM	MM							
RGK-CERT01	Quad SM/MM	2		2			2	2	2	2	2	2	2
RGK-CERT02	Dual Engine SM and MM	2			2	2	4	4	4	4	8	4	4
RGK-CERT03	Dual Engine SM	2			2		2	4		2	4	2	2
RGK-CERT04	Dual Engine MM	2				2	2		4	2	2	2	2
RGK-CERT01B1	Quad SM/MM		2	2			2	2	2	2	2	2	2
RGK-CERT02B1	Dual Engine SM and MM		2		2	2	4	4	4	4	8	4	4
RGK-CERT03B1	Dual Engine SM		2		2		2	4		2	4	2	2
RGK-CERT04B1	Dual Engine MM		2			2	2		4	2	2	2	2

ROGUE OLTS Mobile Apps

Mobile Apps to configure, control and access results from your Android device are available for free download from Google Play.









