FL41

Optical Fault Locator for Service Activation and Maintenance

VeEX

The FL41 is a budget friendly and palm-sized Fault Locator/Optical Power Meter for measuring fiber spans from 10 m up to 20 km in length with an optional filter for in-service testing. The FL41 is the perfect tool for service activation technicians who need to measure short fiber links and drop fiber for PON, 5G rollout, FTTx, LAN/WAN, and CATV.

Key Features

- Singlemode cable length verification
- Single test port - fixed SCAPC connector
- Less than 30 seconds typical test time with one touch automatic mode
- In-Service testing with optional built-in filter
- NoApp™ QR code generation capability for faster result saving*
- Simple user interface that saves time on the job
- High contrast display with backlight
- Handheld, lightweight rugged design
- Splash and dust resistant design
- Save distance and OPM test results (up to 100 each)
- Micro USB charging point
- Battery autonomy >350 tests
- Measure in meters or feet

Key Specifications

FL41 Fault Locator with Broadband OPM

Optical Fault Locator
- Wavelength: 1550 nm or 1625 nm
- Measurement Range: 10 m to 20 km
- Class 1 Laser Safety

OPM
- Wavelength range: 1260 to 1680 nm
- Calibrated wavelengths: 1310/1490/1550/1625 nm
- Measurement range: -35 to 0 dBm

FL41f Fault Locator

- Wavelength: 1625 (F) nm
- Measurement Range: 10 m to 20 km
- In-Service Filter isolation: 50 dB
- Class 1 Laser Safety

*Patent pending

Test Results Saving and Transfer

A unique QR code method is used to save and transfer measurements results from the FL41 optical fault locator. Simply scan the QR code and process the test data directly on your mobile device. The NoApp™ feature eliminates the need to download specialized Android or iOS Apps to your mobile device – the QR code embeds all the necessary reporting, commenting, sharing, and uploading.*

| Fiber length Measurement | Fiber length in QR code | Scan QR code with Mobile Device | Process/Upload Fiber Length Result |

VeSion® R-Server Workforce/Productivity System

A centralized server application designed for medium-to-large service providers facing the enormous challenge of managing and coordinating hundreds or even thousands of installations per day. The VeSion R-Server collects field test results for billing/record keeping purposes and simplifies inventory management. Used in conjunction with QR code test reporting function, this back-office application reduces customer call-backs and associated truck rolls, maximizing workforce efficiency and lowering operational costs.

Cloud-Based One System Platform

Results from anywhere, anytime, at any location

*Patent pending

Optical Specifications

Fault Locator	Unfiltered	Filtered
Wavelength (±10 nm)	1550 or 1625	1625
Distance Range (m)	10 m to 20 km	
Distance Measurement Accuracy (m)[1]	±(1 + .01 x L)	
Dynamic Range (dB)	4	
Laser Safety	Class 1 per 60825-1:2014 edition	
Filter Isolation (dB)	N/A	50
Optical Connector	Fixed SC/APC or SC/UPC connector	
Power Meter		
Calibrated Wavelengths (nm)	1310/1490/1550/1625	1625
Power range (dBm)	-35 to 0	
Power measurement accuracy, (dB)[2]	±1	
Display Resolution (dB)	0.1	

Notes
1. With end reflectance at least -42 dB and refractive index 1.468. For non-reflective ends, distance measurement accuracy is ±2.5%.
2. At room temperature.

Ordering Information

Part Number	Description
Z06-99-277P	FL41 Optical Fault Locator, 1550nm with OPM, 10m to 20km
Z06-99-278P	FL41 Optical Fault Locator, 1625nm(F), 10m to 20 km
Z06-99-279P	FL41 Optical Fault Locator, 1625nm with OPM, 10m to 20 km

General Specifications

Size:	129 x 61 x 38 mm (H x W x D) 5.1 x 2.4 x 1.5 in.	Connectivity:	Micro USB interface, data transfer via QR code and web application
Weight:	<205 g (<0.45 lbs.) w/OPM option	Display:	>High contrast, 28 x 23 mm LCD, 96 x 80 pixels with backlight
Construction:	Rugged, polycarbonate chassis, 1 meter drop tested	Operating Temp:	-10 °C to +50 °C
Battery:	Two alkaline AA or two rechargeable NiMH, 2150 mAH	Storage Temp:	-20 °C to +70 °C
		Humidity:	0% to 95%, non-condensing
Power Supply:	Micro USB interface, 5 VDC adapter/charger		

Do you like this solution?
Please contact Heynen for distribution in BENELUX.