

Frame Optical Devices - An Púc FOD7512

Multi-Fibre Tier-2 MPO Fibre Certification Solution

All-in-one integrated solution automating OTDR Certification of MPO cables

Designed for use in high-density fibre environments, multi-fibre MPO cables eliminate the expense of running individual patch cords for each service turn-up. Widely used in Data Centres interconnects, MPO cables are spreading into telecom access applications such as FTTH, FTTA or C-RAN. The use of a Native MPO Tier-2 Test solution is the best way to accurately and quickly characterise individual fibres of an MPO cable either Uni-directionally or Bi-directionally.

The rising bandwidth and cloud services demands have increased interest in fibre optics for data centre networks. To achieve longer distances, higher capacities and higher-density connections, data centres operators are deploying singlemode multi-fibre MPO interconnects.

Singlemode multi-fibre MPO cables have also been more recently introduced into access telecom architectures such as Metro, FTTH, FTTA or C-RAN, enabling faster deployment, easier cable management and higher density fibre panels.

Benefits

- ☑ All-in-one and integrated solution for multifibre MPO cable characterisation, certification, and troubleshooting
- ☑ Replaces multi-fibre fan-out/break-out patch cords/cables
- ☑ Automatic Pass/Fail Analysis
- ☑ Real time reporting to the cloud

Features

- ☑ Robust design with carabiner hook
- ☑ MPO-12/10/8 configurable
- ☑ Live Test Status
- ☑ Integrated MPO Switch & Launch
- ☑ Result Transfer to the Cloud
- ☑ Results and Project Manager with Automatic interactive Icon Based Pass/Fail
- ☑ PDF Reporter
- ☑ 1310/1550nm 32/30dB (SNR=1)
- ☑ Bluetooth 4.2
- ☑ Android versions 9 & 10

Applications

- ☑ Data Centre single mode structured cabling
- ☑ FTTH/Access Networks MPO trunks
- ☑ Wireless Fronthaul (FTTA/C-RAN) MPO fibre
- ☑ Metro Networks MPO Trunks

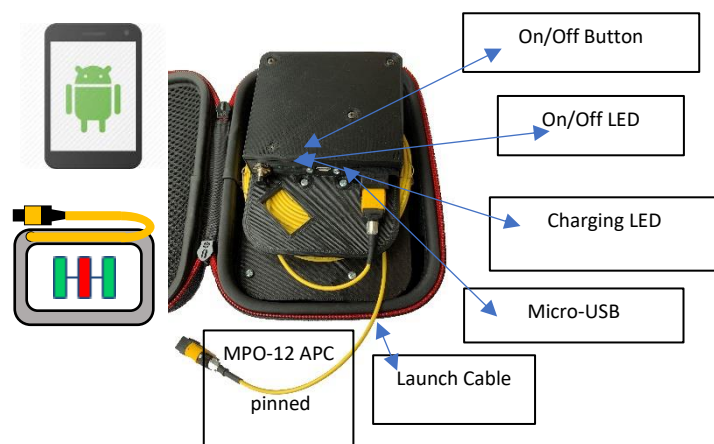
Sales and Service Contact Information


Available at www.Frame.co.uk



An Púc FOD7512 MPO Test Solution

The FOD7512 is an all-in-one versatile solution to qualify, certify and troubleshoot multi-fibre MPO cables. Integrated into a robust single piece of equipment or Púc, field technicians no longer need to use cumbersome external MPO switches & test mainframes to certify links.





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















































































Link Map Summary ID:

End 1: end1

End 2: end2

Cable: Cable1

Connector: 007

N	Event	Length, km	Value @ 1310/1550 nm				Fibers											
			Loss, dB	RefL, dB	ACI, dB/km	Σ Loss, dB	1	2	3	4	5	6	7	8	9	10	11	12
1		0	-	48.47	55.31	-	-											
1-2		0.4098	0.137	-	0.335	0.137												
2		0.4098	0.252	22.47	25.31	-	0.398											
2-3		0.6077	0.205	-	0.337	0.603												
3		1.0175	0.105	-	-	0.708												
3-4		2.0196	2.001	-	0.991	2.709												
4		3.0371	0.301	48.32	55.44	-	3.010											
4-5		5.1729	1.998	-	0.386	5.008												
4		8.2100	0.234	-	-	5.242	4.644											
4-5		2.5196	0.801	-	0.317	6.043												
5		10.7296	-	14.32	15.34	-	5.167											

Specifications (Typical at 25°C)

Optical	
Test Wavelengths	1310nm / 1550nm
Dynamic Range	32/30dB (SNR=1)
Test Port	Pinned APC MPO
Android version	Recommended version 9 or 10
General	
Dimensions (w x h x d)	175x125x68 mm
Weight	520 g
Charging	Charging – Micro USB 5V/2A
Bluetooth	4.2

Ordering Information

Part Number	Description
FOD7512	SM 1x 12 MPO Test Púc (2x) 20m SM launch and receive MPO cables (pinned-unpinned), (2x) MTP/ MPO bulkhead adapter with opposed key

Sales and Service Contact Information

Available at www.Frame.co.uk

