



FWDM passive solutions OTDR Starter Cube

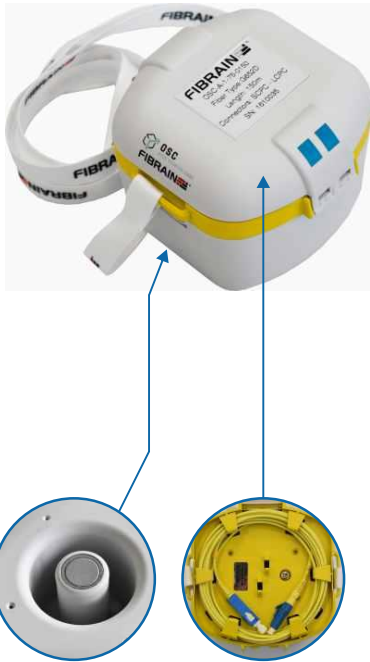
Fibrain OSC – OTRD Starter Cube – facilitates reflectometric tests with the use of OTRD (Optical Time Domain Reflectometer). The launch fiber eliminates the dead zone and guarantees secure measurement. Fibrain OSC OTRD Starter Cube has several advantages that make measurements fast and easy to perform. The housing is equipped with a magnet, thus the OSC can be easily mounted on a rack, and with a shoulder strap, which makes it easy to transport the OSC. The launch fiber is terminated with master class connectors, available in a variety of connector types. The compact housing can store up to 1000 m of SM or MM fiber.

Features and benefits:

- Compact housing and small weight,
- Connector polishing type colour code for clear identification,
- Fiber colour code for easy identification,
- Input and output fanout made of reinforced harsh tube with crush resistance 1000N,
- Magnet mounting allows for mounting OSC to the rack,
- Master class connector for accurate and reliable measurement,
- Shoulder strap for easy measurement and transport,
- Anti-vibes protection.

Application:

- SM and MM network measurement,
- Simulation of loss, length, delayed time and system's reflectance.



Technical specifications					
Parameters					
Dimensions (w)x(h) [mm]		107x86			
ILMAX @ 1310 nm (SM fiber) [dB/km]		≤ 0.35			
ILMAX @ 1550 nm (SM fiber) [dB/km]		≤ 0.22			
ILMAX @ 850 nm (MM fiber) [dB/km]		≤ 2.50			
ILMAX @ 1300 nm (MM fiber) [dB/km]		≤ 0.70			
SM Connector Insertion Loss (IEC 61300-3-4) [dB]		≤ 0.1			
MM Connector Insertion Loss (IEC 61300-3-4) [dB]		≤ 0.15			
Return Loss (IEC 61300-3-6) [dB]		RL ≥ 65 (APC); RL ≥ 55 (PC SM); RL ≥ 35 (PC MM)			
Length of input and output fiber [m]		1.5			
Operating temperature [°C]		-40 to 55			
Standard fiber lengths					
MM Fibers [m]		100, 150, 200, 250, 300, 500			
SM Fibers [m]		100, 150, 200, 250, 300, 500, 1000			
Reference scheme					
Series	Fiber type	Fanout	Connector type		Fiber length
			Input	Output	
OSC	A G.652D	1 - 1.8mm harsh	1 - E2	1 - E2	0100
	B SMF G655		2 - E2A	2 - E2A	
	D SMFG657A1		3 - FC	3 - FC	
	E SMF G657A2		4 - FCA	4 - FCA	
	H MMF OM1		5 - LC	5 - LC	
	I MMF OM2		6 - LCA	6 - LCA	
	K MMF OM3		7 - SC	7 - SC	
	L MMF OM4		8 - SCA	8 - SCA	
			9 - ST	9 - ST	

Example: OSC-A-1-88-0500 FIBRAIN OSC launch fiber, G.652D fiber, 1.8 mm reinforced harsh tube, SC APC connectors, length 500m.