

For source independent mode control fit the ModCon to your light source and

- Improve measurement accuracy
- Ensure stable launch conditions for multimode fiber measurements
- Meet EF requirements of IEC 61280-4-1.



The ModCon Mode Controller is designed to ensure that whatever source you use to test the loss and bandwidth of your multimode optical fiber network, LED, VCSEL or FP laser, you launch the same distribution of modes into the fiber. As a result you can eliminate the variations due to the widely different modal characteristics of the sources commonly used in fiber optic measurements and networks.

Technical Specifications

Optical

Insertion loss @850 nm 50 μm < 3 dB; 62.5 μm <3 dB

Encircled Flux compliance to IEC 61280-4-1: 2009

Maximum power throughput 10 mW

Connectors Reference grade

Physical

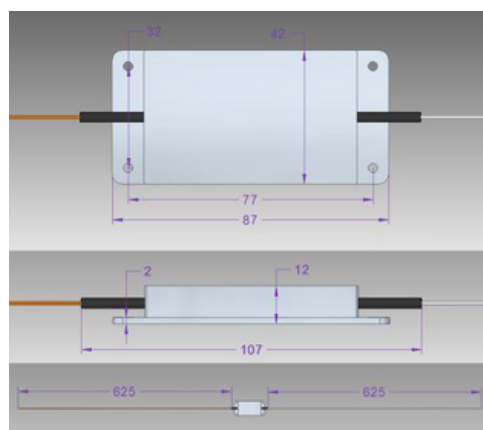
Weight 80 g

Dimensions (excluding cabling) 87 mm x 42 mm x 12 mm

Input / Output cable length 500 mm / 500 mm

Input / Output cable jacket 900 μm nylon loose tube

Enclosure material Aluminium alloy



Ordering Information

Modcon	Description
MC-OEM-BF/BF-5062-625	Mode controller in OEM style housing, dual fiber (50/125 μm & 62.5/125 μm fibers); tails 625 mm long in 900 μm buffer tubing; no connector on inputs; no connector on outputs; M2.5 mounting holes.
MC-OEM-BF/FC-50-625	Mode controller in OEM style housing; 50/125 μm fiber; tails 625 mm long in 900 μm buffer tubing; no connector on input; FCPC connector on output; M2.5 mounting holes.
MC-OEM-ST/ST-5062-500-S	Mode controller in OEM style housing, dual fiber (50/125 μm & 62.5/12 μm fibers); tails 500 mm long in 900 μm buffer tubing; ST connector on input, ST connector on output; 3 mm mounting holes.
MC-OEM-BF/FC-5062-625	Mode controller in OEM style housing, dual fiber (50/125 μm & 62.5/12 μm fibers); tails 625 mm long in 900 μm buffer tubing; no connector on inputs; FCPC connector on outputs; M2.5 mounting holes.

* Input / Output connector types are customisable upon request..