

Laser housing for direct attachment of fiber couplers

FIC-02 for multimode or single mode with polarisation maintaining fiber coupling

Fiber coupling options are available for all visible Cobolt lasers. The option FIC-02 described here consists of a laser housing especially designed to mount the fiber coupler onto and is suitable for all Cobolt 04-01 laser models. Fiber coupling options for either multimode fiber (MM) or singlemode polarization maintaining (SM/PM) fiber are available. For MM fiber coupling we offer a receptacle style coupler (with angled FC/PC connector) and MM fiber from Oz Optics. For singlemode PM fiber coupling we offer pre-aligned solutions from Point Source. The output is either collimated to 0.7mm beam diameter or non-collimated, with an APC or FCP8 connector.

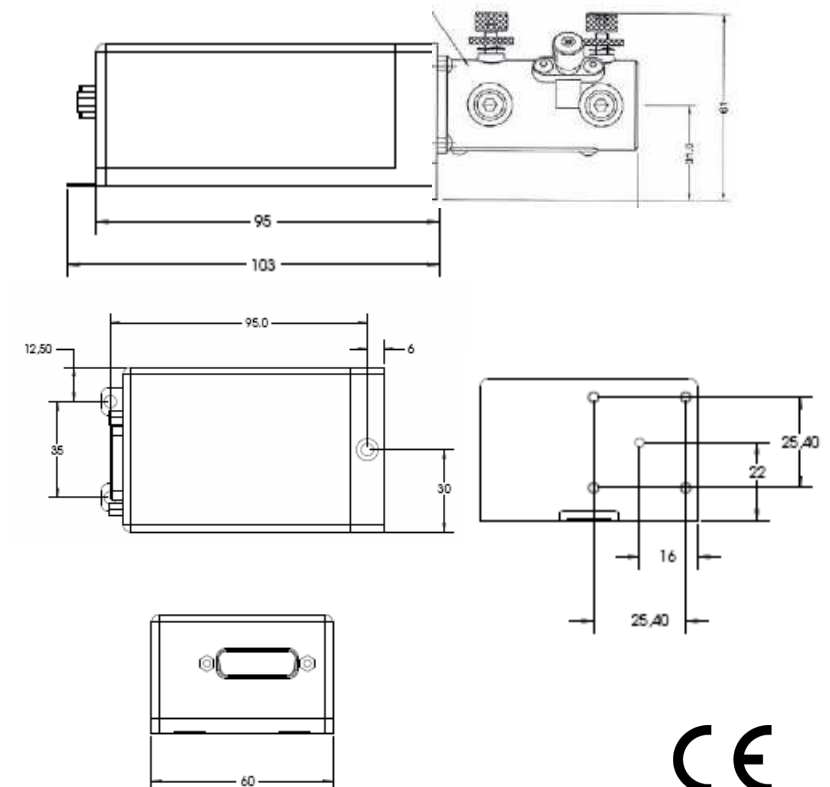
The housing is also available with no fiber coupler for customers who already have a coupling solution. For other options please contact the factory.



Specifications

	SM/PM	MM
Fiber core size	3.5 μ m	100 μ m
Coupling efficiency	>60 %	> 80 %
Output beam diameter	0.7 \pm 0.05 mm (if collimated)	
Dimensions [mm]	167 x 60 x 40	
Point Source coupler		
Mounting screws for coupler & laser base	M3	
FIC-02 is suitable for use with laser models 457 nm - 594 nm	Cobolt Twist™ Cobolt Blues™ Cobolt Calypso™ Cobolt Fandango™ Cobolt Samba™ Cobolt Jive™ Cobolt Mambo™	

Dimensions



Subject to change without notice. Rev 0909.