

# Clip-On Coupler FOD5516



The FOD5516 Clip-on Coupler is designed to inject and detect light signals in Single mode optical fiber.

The FOD5516 is used when there is no access to one or both fiber ends such as in splice enclosures.

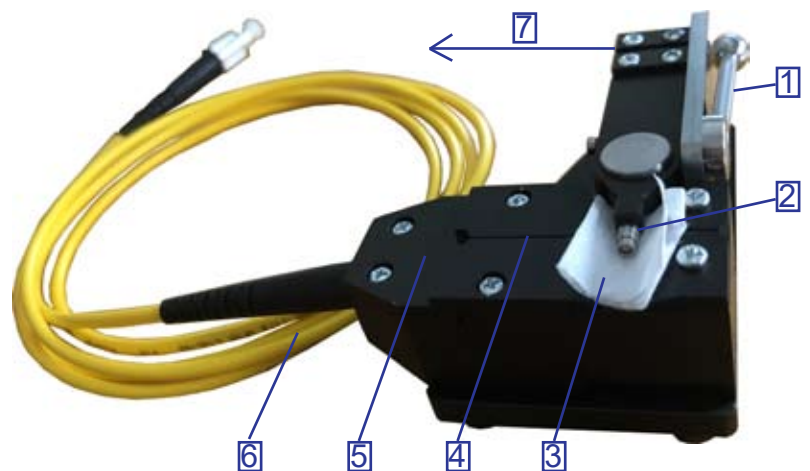
The most common applications are with Optical Talks Sets and injecting a test tone to trace fibers with an Optical Fiber Identifier along the network.

The FOD5516 does not affect the mechanical integrity of the fiber.

SPECIFICATIONS	
Coupling Efficiency* @1310 nm	< 22 dB, 20 dB typical
Coupling Efficiency* @1550 nm	< 17 dB, 16 dB typical
Insertion Loss* @1310 nm	<7 dB, 3 dB typical
Insertion Loss* @1550 nm	<8 dB, 7 dB typical
Optical Interface	Specify FC, SC, Angled SC, LC
Back Reflection on tapped fiber*	<-60 dB
Weight	<170 g
Dimensions	35Hx75Wx75L mm
Operating temperature	10 to +35°C, 85% humidity non-condensing
Storage temperature	0 to +50°C, 95% humidity non-condensing
*into SMF28e+ clear coated 250 micron	
<b>WARRANTY:</b> 1 Year	

## **Detecting a Signal:**

1. Raise the guide-wheel (2) by lifting the lever (1).
2. Place the bare fiber into the alignment groove (4). For convenience hold the fiber with your finger here (5).
3. Return the lever (1) to the down position lowering the guide-wheel (2) to secure the bare fiber onto the prism beneath the guide-wheel.
4. Any optical signal in the direction (7) to the access jumper (6) is coupled to the jumper and can be measured.



## **Injecting a Signal:**

5. Connect the light source (Tone generator, Talk Set, etc.) to the access jumper (6).
6. Repeat steps 4.1 to 4.3 above.
7. Injected light will be coupled into the fiber in the direction away from the jumper, opposite of (7) in the picture above.

## **Removing the optical fiber and storing:**

8. To release the bare fiber lift the lever (1) again and carefully remove the fiber from the alignment groove (4).
9. Store the Clip-On in its protective case with lint-free cloth (3) placed between the guide-wheel and prism.
10. Always clean the guide-wheel and prism-groove area with isopropyl alcohol using a lint-free cloth.