

MFC-1xx

Mode Fill Conditioner System



Product Overview

The Santec Mode Fill Conditioner, MFC, is an accessory to any compatible Santec instrument used for measuring insertion loss and is essential for guaranteeing that the proper launch conditions are met when testing insertion loss on multimode fiber optic assemblies. The MFC can be configured for almost any industry standard specified launch condition such as telcom standard encircled flux or military standard AS100, AS62. Each MFC can be configured with various standard connector types (FC, LC, SC, ST) and in both APC and PC polish types.

The system is available in a single launch conditioning cable (MFC-100) or a rack mount multichannel system (MFC-150).

Features

- Customizable Launch condition
- Many fiber sizes/types
- Common connector types available
- Available in compact single fiber patch cord



Applications

- Standardized insertion loss testing



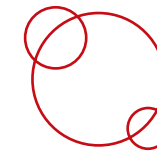
Compliance

- IEC 61280-4-1, 61300-3-4, ARP5061A



Requirements

- Compatible insertion loss source (overfilled incoherent input)

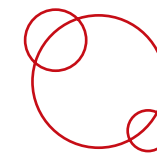
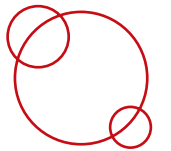


Customizable Launch Condition

The MFC can be customized to any launch condition as needed for the application. Virtually any fiber and any launch condition is available.

Many Fiber Sizes and Types

Launch conditions can be configured for graded index fiber or step index and for any fiber size from 50 μm up to 200 μm .

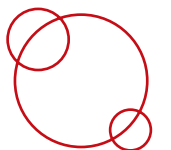


Common Connector Types Available

For wide compatibility the MFC is offered in various standard industry fiber optic connector types. Offered connectors are: SC, ST, LC, FC and angled and flat polished options are available as well. One can choose the input connector to match the light source being used and the output connector to match the DUT being tested.

Available in Simplex Patch Cord or Rackmount Multichannel Systems

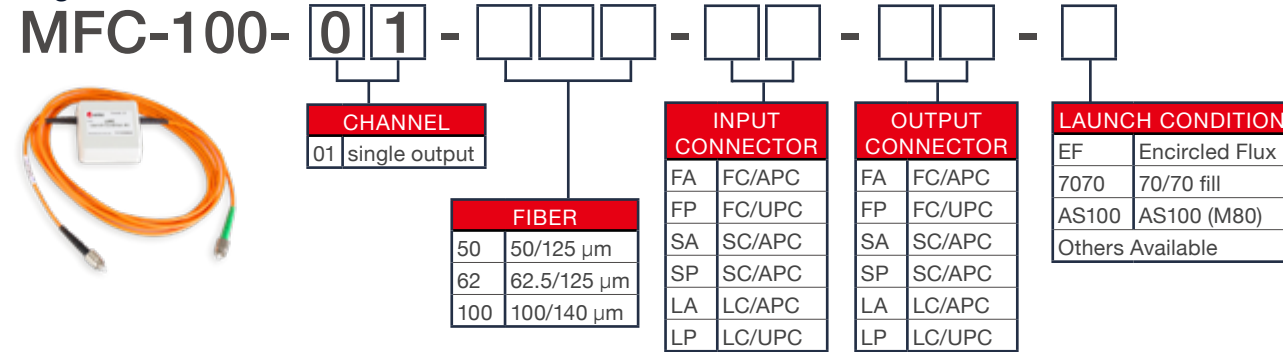
The MFC can be a compact simplex patch cord with various connector types or a rackmount multichannel system with various input and output connector types to accommodate multichannel automated insertion loss testing.



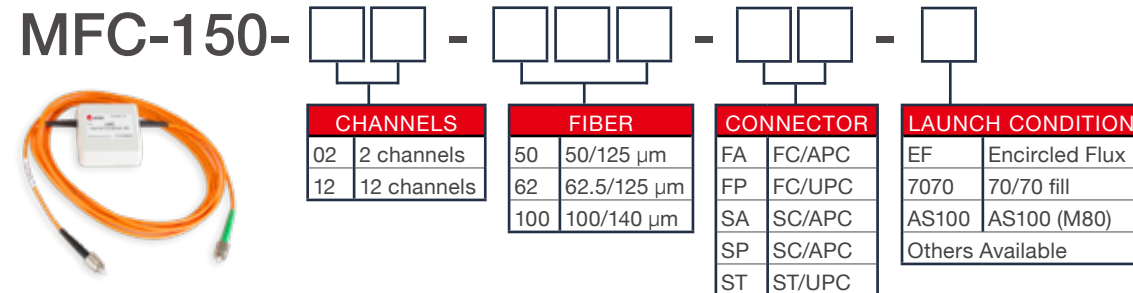
Ordering Scheme & Instructions

1. Configure MFC Mode Fill Conditioner

Single-mode version



Multimode version



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