

Fiber Network Simulator



Standard Features

Configurable fiber spans up to 150 km in total length

Multimode (OM3 / OM4), single-mode, and NZDS fiber

Rack-mountable hardware - 6U

3C Dynamics Fiber Network Simulators are designed for the configurable replication of installed network systems for electronics certification and verification. Applications also include training, fiber demonstrations and line delays.

Fiber Network Simulators are packaged to be easily installed in a standard 19 inch equipment rack.

The 6U aluminum housing contains one to six optical fiber segments. Each segment is connectorized for easy access with customer specified, industry standard, single-mode connectors FCUPC, FC APC, SCUPC, SCAPC, LCUPC, LCAPC, STUPC or standard multimode connectors ST, SC, LC.

Each Fiber Network Simulator has customized segment lengths per customer requirements.



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Specifications

Unit Height	Dimensions (HxWxD)	Shipping Weight	Fiber Capacity
6U	26.5 x 43 x 50 cm (10.5 x 17 x 19.75 in)	<15.9kg (<35 lb)	150 km

Operating Temperature	Operating Relative Humidity	Insertion Loss, Max
-20 °C to 60 °C (0 °F to 140 °F)	0 to 95 percent, non-condensing	0.75 dB per mated connector pair

Ordering Information

FNS -

1 **2** **3** **4** **5**

1 Select Number of Segments

Example: 1 = 1 Segment
(6 Maximum allowed)

2 Select Total Fiber Length for all segments**

Example:
015000 = 15000 meters

3 Select Fiber Type

Multimode
3 = 50µm (OM3)
4 = 50µm (OM4)

Single-mode
S = Single-mode (OS2)
N = NZDSF

4 Select Connector One

Multimode
A = LC
B = SC
C = ST Compatible

Single-mode
F = LCUPC
G = LCAPC
H = SCUPC
J = SCAPC
K = FCUPC
L = FCAPC
M = STUPC

5 Select Connector Two

Multimode
A = LC
B = SC
C = ST Compatible

Single-mode
F = LCUPC
G = LCAPC
H = SCUPC
J = SCAPC
K = FCUPC
L = FCAPC
M = STUPC

*** Individual segment lengths must be written on Purchase Order and add to equal the Total Fiber Length*