



## KEY FEATURES

- Mandrel free Return Loss testing
- 4 Single-mode lasers built-in
- Available for Single-mode and Multimode
- EF compliant for Multimode
- Bi-directional or Unidirectional

## APPLICATIONS

- Passive optical components design and validation
- Patchcord and cable assembly certification
- Compliance testing

## COMPLIANCE

- Conforms to GR-326-CORE, GR-1435-CORE, GR-910-CORE, GR-1209-CORE, GR-2866-CORE, Verizon FOC

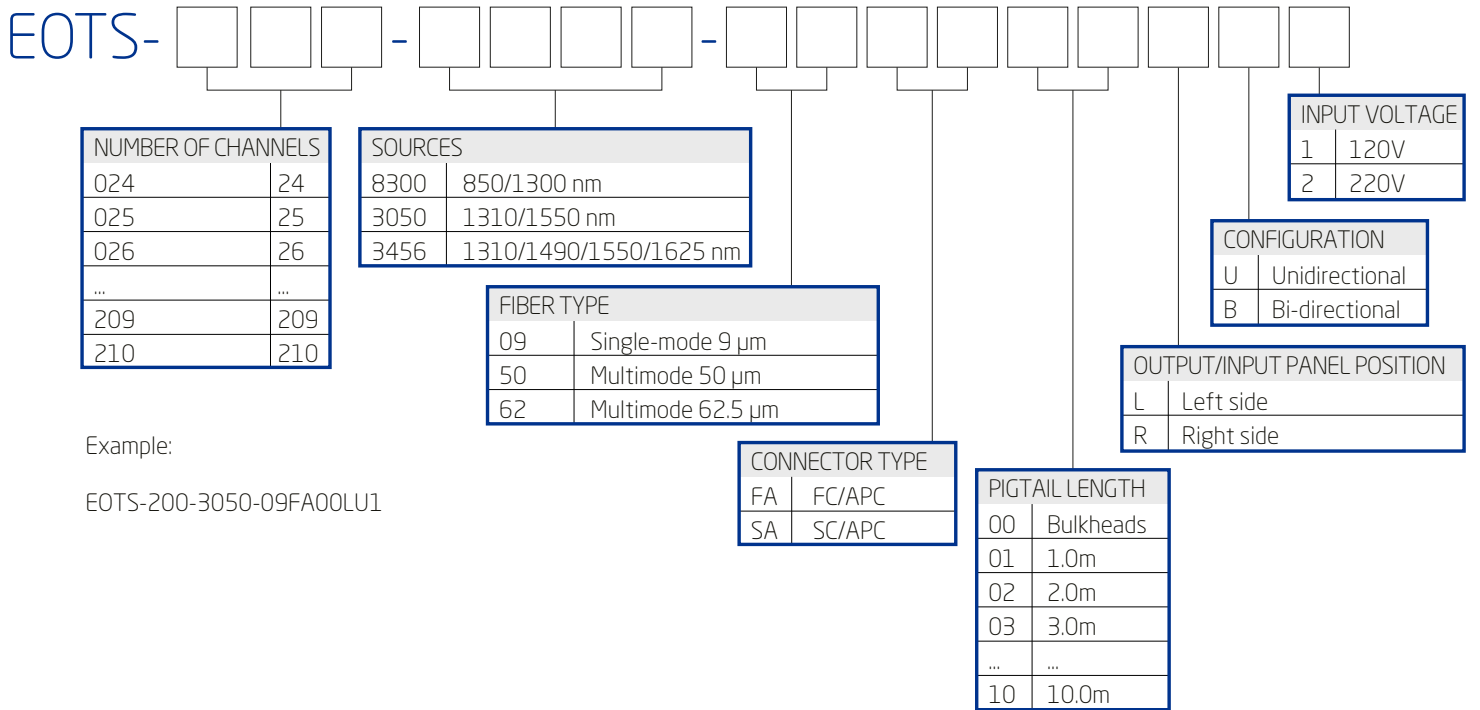
## IN THE SYSTEM

- 19" Rackmount cabinet
- MS10R mainframe
- MS12 module(s)
- 1XN optical switches
- Computer and display
- 1500 VA UPS
- EOTS application

## Product Description

Built upon the same technology as the industry leading MS12 Return Loss Meter and SX8 Optical Switches the EOTS Environmental Optical Test System provides a fully integrated solution for long-term testing of optical components. With its capability to measure Insertion Loss (IL) and mandrel free Return Loss (RL) of up to 210 channels, the EOTS is the perfect solution to perform compliance testing of components being stressed in environmental simulations.

# Ordering Scheme



## Specifications

OPTICAL / ELECTRICAL SPECIFICATIONS		
Parameter	Specification	
	Single-mode	Multi-mode
Fiber type (µm)	9/125	50, 62.5
Operating wavelengths (nm)	1310, 1490, 1550 or 1625	850, 1300
Maximum number of channels	210 Input / 210 Output	
Insertion Loss Repeatability (dB)	± 0.04	± 0.04
Return Loss Dynamic Range (dB)	30-80	10-50
Return Loss Repeatability (dB) <sup>4</sup>	± 0.1 (30 to 65)	± 0.5 (<40)
	± 0.25 (65 to 70)	± 2.0 (>40)
	± 0.5 (>70)	
Power Consumption	~ 400 VA	
Power Backup <sup>1</sup>	5 hours	
Computer Control	Core i5, 8GB RAM and 2x 1TB hard drives in RAID 1 configuration for full data redundancy	

**Notes:**

<sup>1</sup> With included TrippLite 1500VA Uninterruptible Power Supply

MECHANICAL / ENVIRONMENTAL SPECIFICATIONS	
Parameter	Specification
Mechanical Configuration	All equipment is installed in a single bay 35U 19" rack with removable covers and doors. Cabinet includes casters and levelers, front & rear doors to access instruments. Side access panel with FC bulkheads.
Cabinet dimensions W x H x D (cm)	61 x 177 x 84
Shipping crate dimensions W x H x D (cm)	75 x 192 x 105
System Weight (kg)	~ 180
Total Shipment Weight (kg)	250
Operating Temperature (°C)	0 to 40
Humidity (Non-condensing)	Maximum 80% RH from 0 to 40

**JGR Optics Inc.**

160 Michael Cowpland Dr.

Ottawa, Ontario K2M 1P6 CANADA

T 613-599-1000 | F 613-599-1099 | info@jgroptics.com

www.JGROptics.com

