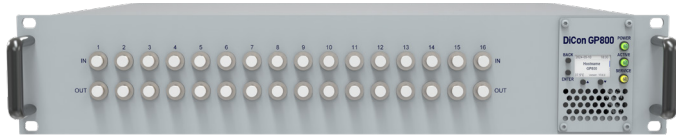


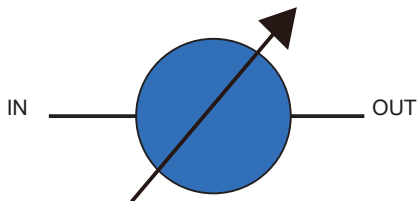
# PRECISION VARIABLE OPTICAL ATTENUATOR

## GP800 Model, Multimode Fiber



DiCon's **Precision Variable Optical Attenuator (VOA)** allows for a specified amount of attenuation to be added to an optical path by precisely positioning a variable neutral density filter in the light path.

- Ideal for Multimode Fiber
- Stable Attenuation, Independent of Mode Fill Condition
- 60 dB Attenuation Range



### ORDERING INFORMATION

**GP800 - [ ] - HAT - [ ] - N - [ ] - [ ] - [ ] - N - [ ] - N - [ ]**

Chassis Type

- 1U** 1U
- 2U** 2U
- 4U** 4U

*\*Please consult DiCon*

Device Type

- HAT** Hermetic Neutral Density Attenuator

Configuration

- X** # of Channels

Alignment Type

- N** None

Fiber Type

- 50** 50/125 μm MMF
- 62** 62/125 μm MMF

*\*Other fiber options are available upon request*

Test Wavelength

- 850** 850 nm
- 980** 980 nm
- O** 1310 nm
- C** 1550 nm

*\*Use "/" to add multiple wavelengths (E.g., 850/980)*

Attenuation Range

- 60** 60 dB Attenuation
- X** Specify X dB min.

*\*Other attenuation levels are available upon request*

WDL Type

- N** None

Connector Type

- FC** FC/UPC
- FC/APC** FC/APC
- LC** LC/UPC
- LC/APC** LC/APC
- SC** SC/UPC
- SC/APC** SC/APC

*\*Other connector types are available upon request*

Connector Key Orientation

- N** None

Connector Location

- F** Front
- R** Rear

# PRECISION VARIABLE OPTICAL ATTENUATOR

## GP800 Model, Multimode Fiber

### OPTICAL SPECIFICATIONS<sup>1,2</sup>

Operating Wavelength	850 / 1310 / 1550 nm	
Attenuation Range	0 - 60 dB max.	
Excess Loss <sup>3</sup>	0.8 dB max. <sup>4</sup>	
Flatness	±0.1 dB max.	
Back Reflection	-30 dB max.	
Repeatability <sup>5</sup>	±0.05 dB max.	
Attenuation Accuracy	0 to 30 dB	±0.2 dB max.
	30 to 40 dB	±0.3 dB max.
Tuning Speed <sup>6</sup>	0 to 30 dB	1400 ms max.
	0 to 60 dB	2600 ms max.
Optical Power <sup>7</sup>	500 mW max.	
Fiber Type	Multimode	

1. All specifications are measured separately at room temperature for each Test Wavelength
2. Multimode fiber specifications are based on LED light source
3. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
4. Multi-band adds 0.2 dB
5. Repeatability is defined by randomly cycling between a handful of attenuation states more than 100 times each
6. Startup time and Reset time is typically <10 sec. The operation is invalid during this time
7. Met by design, not measured

### ELECTRICAL SPECIFICATIONS

Power Supply	100-240 VAC, 50/60 Hz
Connectors	RJ45 (Ethernet) DB9 (RS232) USB-C (Service)
Control Interface	Web GUI, SSH, RS232, REST API, Telnet

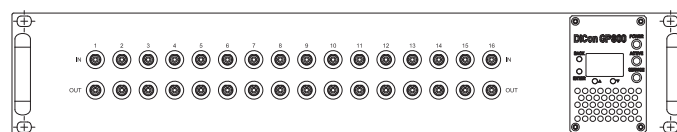
### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 50°C, < 85% RH
Storage Temperature	-40 to 70°C, < 40% RH

### MECHANICAL SPECIFICATIONS

Chassis Width	483 mm (19")
Chassis Depth	435 mm (17")
Chassis Height	1U : 44 mm (1.7")
	2U : 88 mm (3.5")
	4U : 177 mm (7.0")

#### Front View



#### Rear View

