



# 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)<br>DB9 (RS232)<br>USB-C (Service) |
| Control Interface | Web GUI, SSH, RS232, REST API, Telnet             |

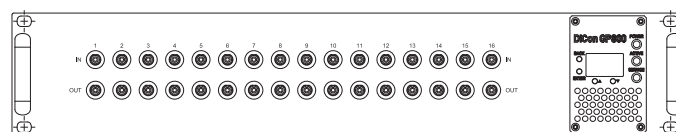
### ENVIRONMENTAL SPECIFICATIONS

|                       |                       |
|-----------------------|-----------------------|
| 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")<br>2U : 88 mm (3.5")<br>4U : 177 mm (7.0") |

#### Front View



#### Rear View

