

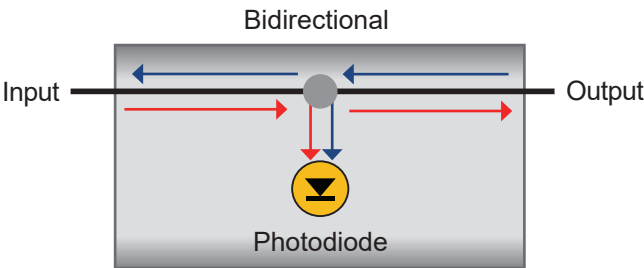
OPTICAL TAP DETECTOR  
GP800 Model, Multimode Fiber



DiCon’s **Optical Tap Detectors** enable the optical power level to be monitored by tapping off a small percentage of light with a thin film partial reflector, which directs the light to a photodetector.

- Ideal for multimode fiber
- Stable performance, independent of mode fill condition
- High density design to minimize rack space

Functionality Type



ORDERING INFORMATION

GP800 - ☐ - T - ☐ - ☐ - ☐ - B - ☐ - N - ☐

Chassis Type

1U 1U  
2U 2U  
4U 4U

*\*Please consult DiCon*

Device Type

T Tap Detector

Configuration

X/Y # of Channels /  
Tap Ratio %

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

Functionality Type

B Bidirectional

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

# OPTICAL TAP DETECTOR

## GP800 Model, Multimode Fiber

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

|                                            |              |                      |
|--------------------------------------------|--------------|----------------------|
| Operating Wavelength                       |              | 850 / 1310 / 1550 nm |
| Insertion Loss <sup>3</sup>                | 5% Tap Ratio | 0.8 dB max.          |
|                                            | 10%          | 1.0 dB max.          |
| Dynamic Power Range                        | 5% Tap Ratio | -51 to 18 dBm        |
|                                            | 10%          | -54 to 15 dBm        |
| Relative Measurement Accuracy <sup>4</sup> |              | ±0.2 dB max.         |
| Back Reflection                            |              | -20 dB max.          |
| Optical Power <sup>5</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. For power range when

- Input power > -31 dBm for 5% tap ratio

- Input power > -34 dBm for 10% tap ratio

5. 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             |

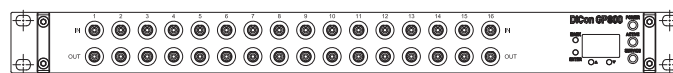
### ENVIRONMENTAL SPECIFICATIONS

|                       |                       |
|-----------------------|-----------------------|
| 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

