

OPTICAL TAP DETECTOR
GP800 Model, Singlemode 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 Singlemode fiber
- Stable performance
- High density design to minimize rack space

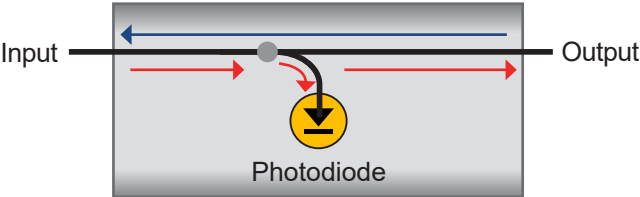
ORDERING INFORMATION

GP800 - - T - - 9 - - - - N -

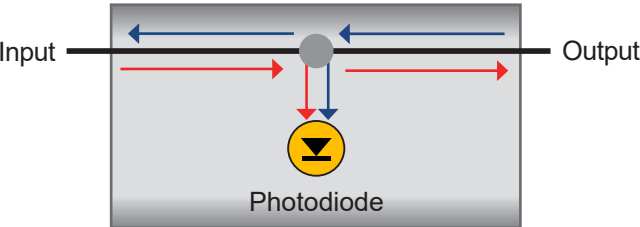
Chassis Type	
1U	1U
2U	2U
4U	4U
<i>*Please consult DiCon</i>	
Product Type	
T	Tap Detector
Configuration	
X/Y	# of Channels / Tap Ratio %
Fiber Type	
9	9/125 um SMF
<i>*Other fiber options are available upon request</i>	
Test Wavelength	
O	1310 nm
C	1550 nm
L	1590 nm
<i>*Use "/" to add multiple wavelengths (E.g., O/C or O/C/L)</i>	
Functionality Type	
U	Unidirectional
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
<i>*Other connector types are available upon request</i>	
Connector Key Orientation	
N	None
Connector Location	
F	Front
R	Rear

Functionality Type

Unidirectional



Bidirectional



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OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Insertion Loss ²	1% Tap Ratio	0.4 dB max.
	2%	0.5 dB max.
	5%	0.6 dB max.
	10%	0.8 dB max.
Dynamic Power Range	1% Tap Ratio	-47 to 25 dBm
	2%	-50 to 22 dBm
	5%	-54 to 18 dBm
	10%	-57 to 15 dBm
Relative Measurement Accuracy ³		±0.2 dB max.
Directivity	Unidirectional	23 dB min.
	Bidirectional	0.2 dB max.
Back Reflection		-50 dB max.
WDL ⁴		0.1 dB min. ^{5,6}
PDL ⁷		0.1 dB max.
Optical Power ⁸		500 mW max.
Fiber Type		Singlemode

1. All specifications are measured separately at room temperature for each Test Wavelength

2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)

3. For power range when

- Input power >-27 dBm for 1% tap ratio
- Input power >-30 dBm for 2% tap ratio
- Input power >-34 dBm for 5% tap ratio
- Input power >-37 dBm for 10% tap ratio

4. WDL is defined within Test Wavelength ±20 nm

5. Dual-band adds 0.1 dB

6. Full-band adds 0.3 dB

7. Multi-band adds 0.1 dB

8. 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

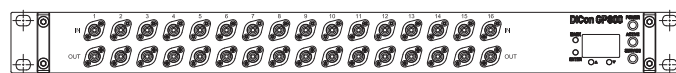
ENVIRONMENTAL SPECIFICATIONS

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

