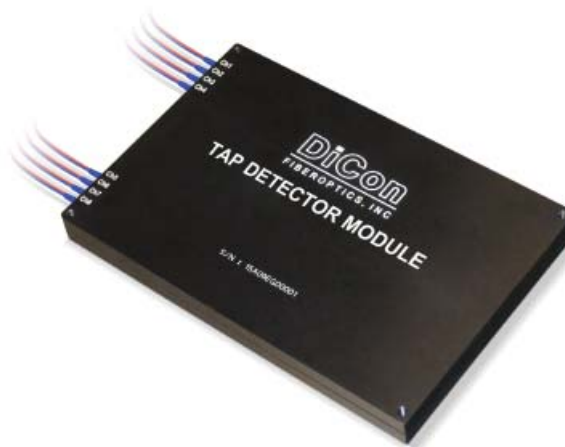
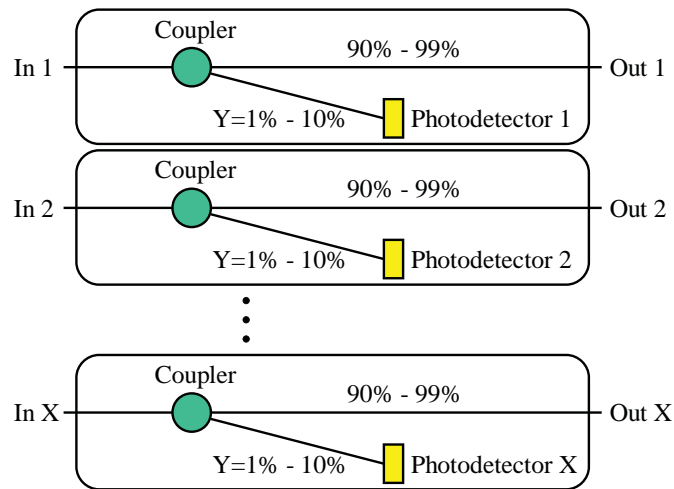


# TAP DETECTOR MODULE

DiCon's Tap Detector Module provides in-line power monitoring of up to eight different fibers. This is accomplished by utilizing fused couplers on every input, which tap off a portion of the signal and delivers it to a photodetector for power measurement.



## FEATURES

- In-Line Power Monitoring
- Up to 8-channels
- Standard & High Sensitivity Photodetectors



# TAP DETECTOR MODULE

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

PARAMETER		RATING
Insertion Loss	1%	0.3 dB max.
	2%	0.4 dB max.
	5%	0.5 dB max.
	10%	0.8 dB max.
Measurable Input Power Standard Sensitivity	1%	-25 to 30 dBm
	2%	-28 to 27 dBm
	5%	-32 to 23 dBm
	10%	-35 to 20 dBm
Measurable Input Power High Sensitivity	1%	-60 to -5 dBm
	2%	-63 to -8 dBm
	5%	-67 to -12 dBm
	10%	-70 to -15 dBm
Measurement Accuracy <sup>3</sup>		+/- 0.3 dBm
Measurement Resolution		0.01 dBm
PDL		0.1 dB max.
BR		-50 dB max.
Fiber Type		9/125 μm single mode

1. All specifications are without connectors.
2. All specifications measured at CWL, 23°C.
3. For standard sensitivity, TBD for high sensitivity

## ELECTRICAL SPECIFICATIONS

PARAMETER	RATING
Control Type	I <sup>2</sup> C, RS232
Vcc Voltage	5 VDC
Power Consumption	1 W max.
Connector Type	Molex 87833-1620

## ORDERING INFORMATION

TDE -  -  -  -  -  -  -  -

**Product Code**  
TDE Tap Detector Module

**Configuration**  
X/Y X: # of Channels  
Specify X as 1 to 8  
Y: Tap %  
Specify Y as 1, 2, 5 or 10  
*Example: 8/1 indicates 8 channels, each with a 1% tap.*

**Sensitivity**  
H High  
S Standard

**Control Interface**  
I2C I<sup>2</sup>C  
RS2 RS232

**Wavelength Range**  
13 1290 - 1330 nm  
15 1528 - 1563 nm  
16 1570 - 1610 nm

**Fiber and Jacket Type**  
9/BF Corning SMF-28, Bare Fiber  
9/LT Corning SMF-28, Loose-tube  
*Or other equivalent 9 um Singlemode fiber*

**Connector Type**  
FC FC/SPC  
FC/APC FC/APC  
LC LC/SPC  
LC/APC LC/APC  
N NONE  
*Other connector types available upon request.*

**Pigtail Length**  
1 1 Meter  
X Specify X Meters  
*Tolerance is +/- 0.05 m*

## MECHANICAL DIMENSIONS

(Units: mm)

