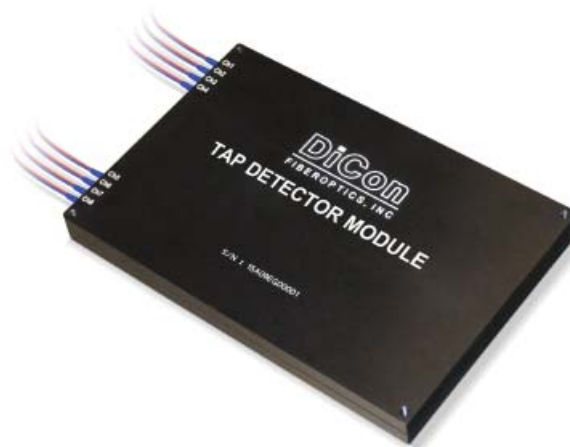
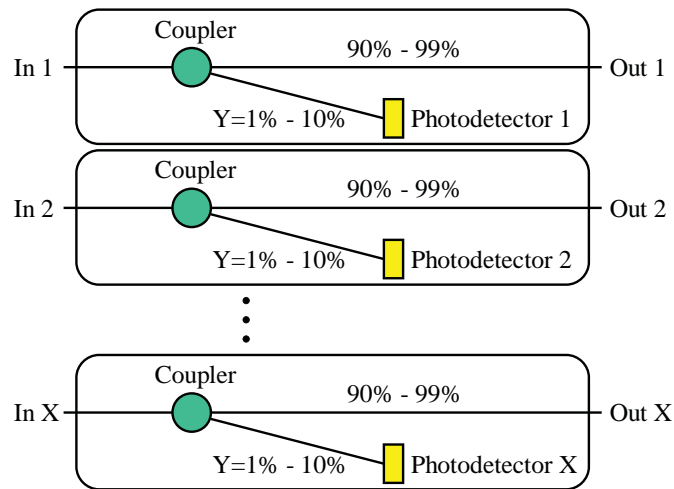


TAP DETECTOR MODULE

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^{1,2}

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 ³		+/- 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 ² 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							
<i>Example: 8/1 indicates 8 channels, each with a 1% tap.</i>									
Sensitivity									
H	High								
S	Standard								
Control Interface									
I2C	I ² 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								
<i>Or other equivalent 9 μm Singlemode fiber</i>									
Connector Type									
FC	FC/SPC								
FC/APC	FC/APC								
LC	LC/SPC								
LC/APC	LC/APC								
N	NONE								
<i>Other connector types available upon request.</i>									
Pigtail Length									
1	1 Meter								
X	Specify X Meters								
<i>Tolerance is +/- 0.05 m</i>									

MECHANICAL DIMENSIONS

(Units: mm)

