

125M~4.25G SFP Checker P/N: SFP CHECK

Features

- ◆ 125Mbps~4.25Gbps BERT
- ◆ Optical Power Meter:1270~1610nm(850nm)
- ◆ SFP status checker
- ◆ Friendly graphic user interface (GUI)
- ◆ 1 port SFP TX&RX ,1 port SFP TX
- ◆ 5V DC power supply
- ◆ Small form & full metal case
- ◆ Mini-USB connection
- ◆ Trigger out with SMA connection



Applications

- ◆ Bit error rate test
- ◆ Optical transmitting power measurement
- ◆ SFP transceiver supply current measurement
- ◆ Optical reference signal
- ◆ GUI Operating environment: Win XP and Win 7

Description

The SFP Checker is an instrument which combines the Serial Pattern Generator, Bit Error Rate Analyzer, It provides common transmission rate OC-3/OC12/OC48 for SONET, 125M/1.25G for Ethernet, 1.0625G/2.125G/4.25G for Fiber Channel, SDH STM-1/4/16.

The optical power can be measured by FC connector optical sensor. The Optical Power Meter within a compact size is used for both optical telecommunication and data communication.

The friendly graphic user interface (GUI) provides clear monitoring for bit error rate, bit error counter, timer, SFP status, optical power from the sensor and selection of data rate and PRBS.

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Supply Voltage	Vcc	-0.5	6	V
Storage Temperature	Ts	-10	+70	°C

Technical Specifications

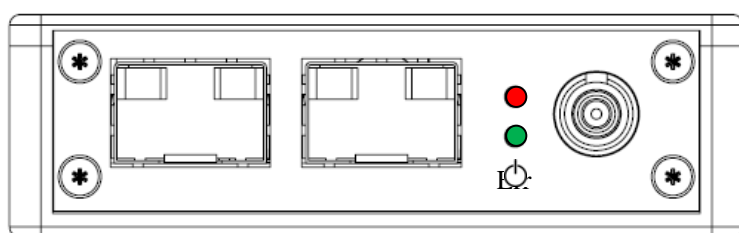
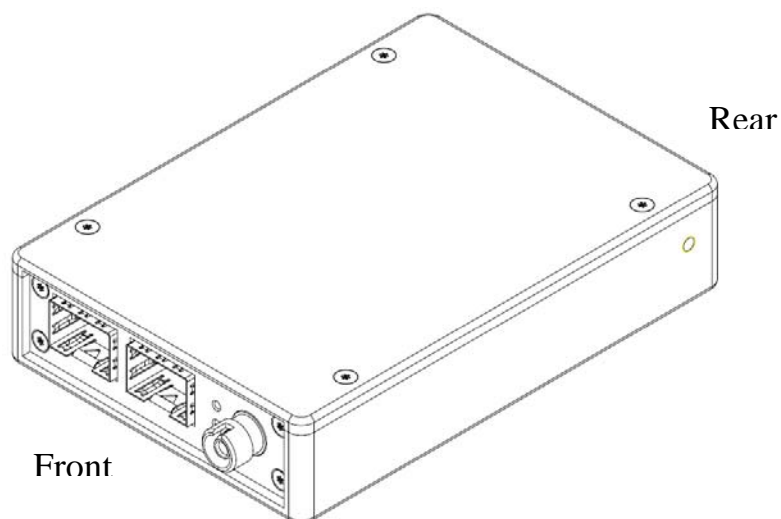
Parameter	Symbol	Min	Typical	Max	Unit
Operating Case Temperature	Tc	0		+50	°C
Operating Humidity	-	5		85 non-condensing	%
Power Supply Voltage	Vcc	4.5	5	5.5	V
Power Supply Current	Icc			400 *	mA
Physical Dimensions		70(W)x100(D) x21.3(H)			mm
Weight		xxx			g

* Excluding SFP Transceivers.

Optical and Electrical Characteristics

Main Frame	
SFP ports	Standard SFP 20pin with Cage
Transmission rate	Infiniband : 2.5Gbps Ethernet : 125 Mbps , 1250 Mbps Fiber Chanel : 1.0625Gbps , 2.125Gbps , 4.25 Gbps SDH : STM-1,4,16(155.52Mbps , 622.08Mbps , 2488.32Mbps)
Pattern Generator	PRBS2 ⁷ , 2 ²³ , 2 ³¹
Trigger out level	CML(AC Coupling)
Optical Sensor	
Input Wavelength	1270nm~1610nm (830~870 nm)
Input Optical Power Range	-40 dBm ~ +8 dBm
Accuracy	±5%
SFP supply current measured	
supply current	0~480 mA
Accuracy	±5%

Hardware Configuration




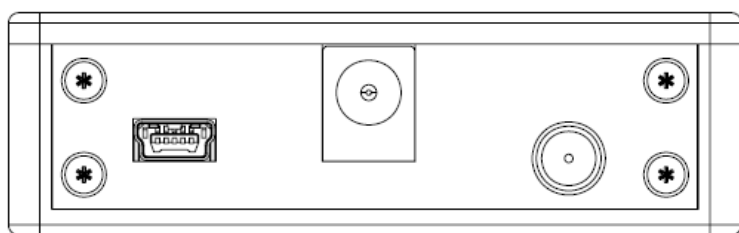
SFP1
(TX、RX)

SFP2
(TX only)

Power Meter

Front Panel Description

LED	Display	Description
	Off	No power
	Green	Power OK
Err	Off	pass
	Red	Bit Error



USB

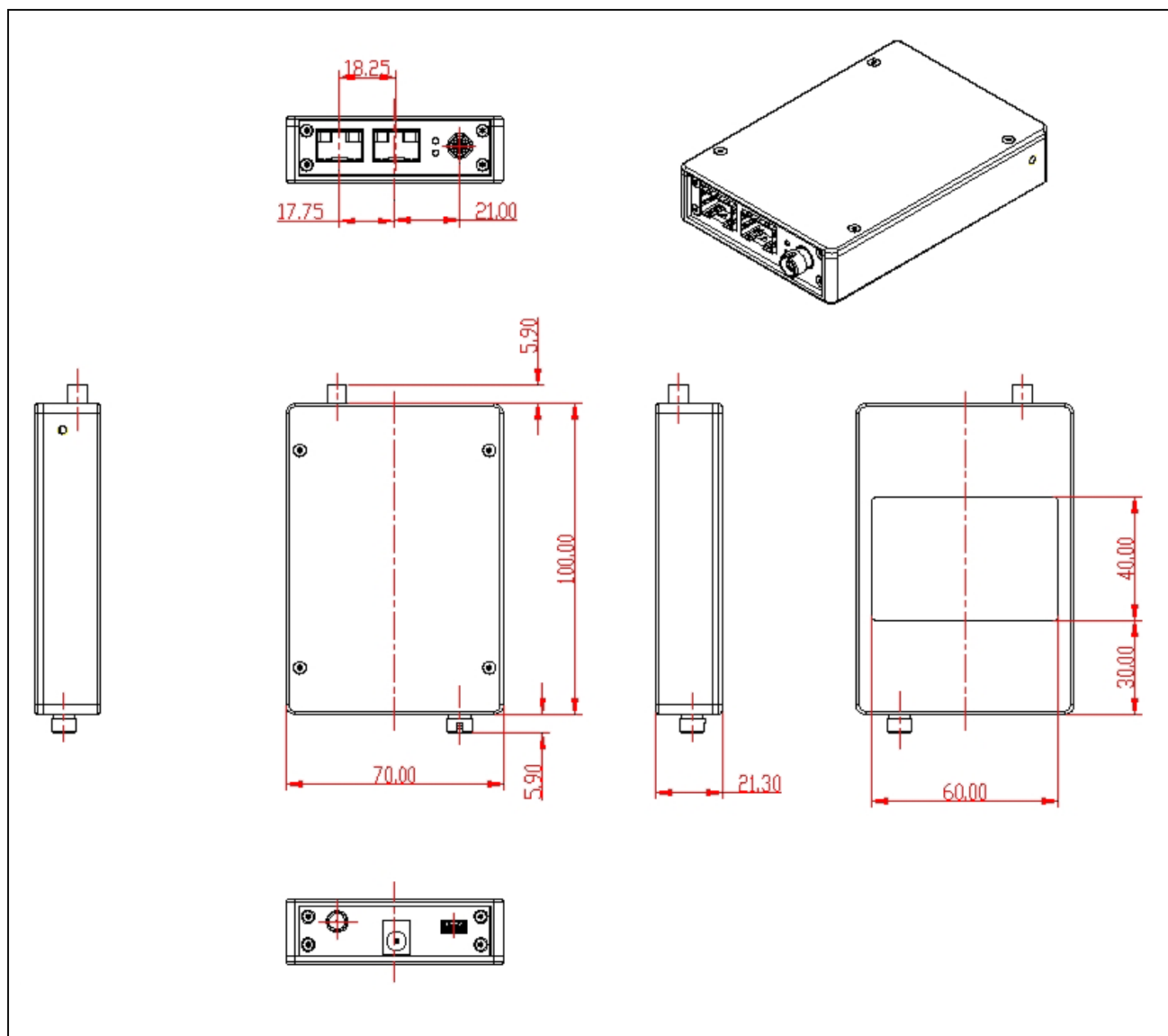
DC 5V

Trigger output

Rear Panel Description



Mechanical Dimensions



Ordering information

Part Number	Product Description
SFP CHECK	The SFP Checker is an instrument which combines 125Mbps~4.25Gbps Bit error rate test, Optical power meter, DDM Checking, EEPROM coding function, etc.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be



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Optical Network Transceiver Innovator

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