



OGA-01 Amplifier

- ∞ Plug and Play
- ∞ High Resolution & Frequency
- ∞ Onboard Configuration Tool
 - ∞ Sensor selection
 - ∞ Gain/Resolution adjustment
 - ∞ Zero offset



Performance

Channels	1
Frequency Response	DC to 40kS
Wavelength Range	1548 – 1552nm
Wavelength Resolution	0.1 pm
Uncertainty	±5 pm
Repeatability	±1 pm
Strain Range	3000 ue
Strain Resolution	0.08 ue
Drift over temperature	0.5 pm/°C
Noise	0.5 pm @ 900Hz
Analog Output	0-5V
Digital Output	RS485

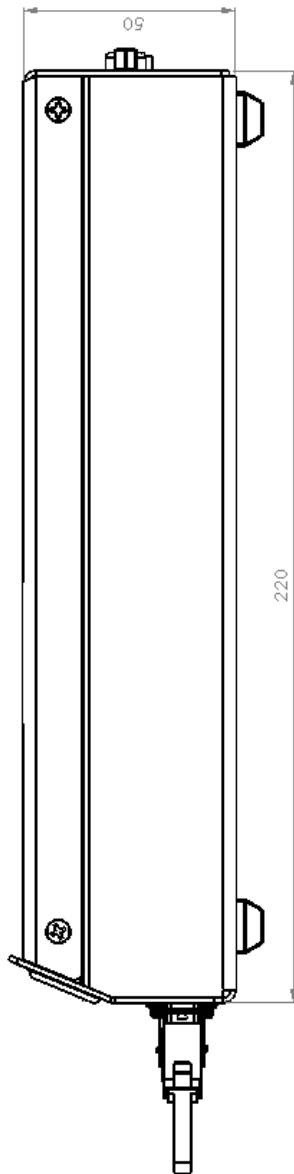
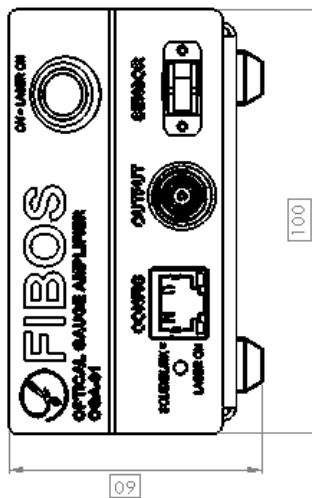
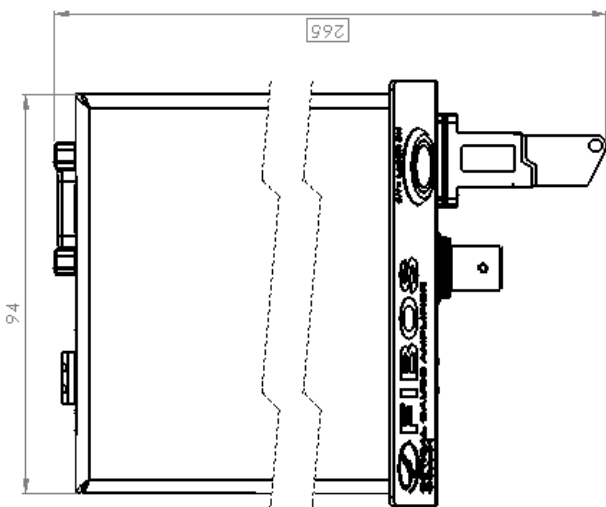
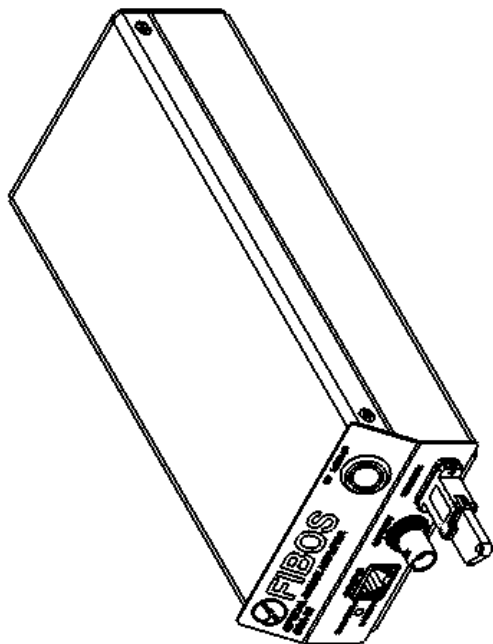
Environmental

Dimensions (W x H x D)	100 x 50 x 220mm
Weight	1kg
Operating Temperature	0 to 50°C
Storage Temperature	-40 to 80°C
Comms Interface	Ethernet
Digital Connector	RS485
Analog Connector	BNC
Optical Connector	E2000
Input Voltage	+9 to +36V
Power Consumption	typ 12W, max 20W
EMC Certification	IEC61326-1
Hazardous Certification	IEC60079-28





REVISIONS					
ZONE	ECO	REV.	DESCRIPTION	DATE	APPROVED
		1	Initial Release	2017-12-15	



DATE: 01/17/2019	PROJECT: OGA-01	FIBOS
DESIGNER: J. J. J.	TITLE: OGA-01 Amplifier	DWG NO.:
CHECKED: J. J. J.	DATE: 01/17/2019	REV: 1
APPROVED: J. J. J.	SCALE: 1:1	SHEET: 1
DATE: 01/17/2019	PROJECT: OGA-01	FIBOS