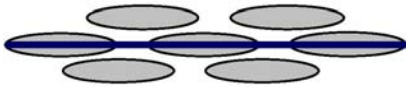


Oxsensis



multi parameter optical sensing

i-Phire™ Optical Interrogator Unit Type – DW110



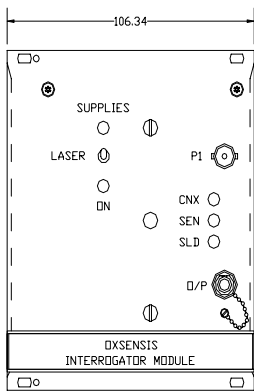
PRODUCT FEATURES

- **Dynamic Pressure measurement from Fabry-Perot interferometer interrogation**
- **Scalable AC Analogue Voltage Output**
- **Near DC to 100kHz Bandwidth**
- **Self-diagnostic functionality built-in**
- **CE mark and RoHS compliant**

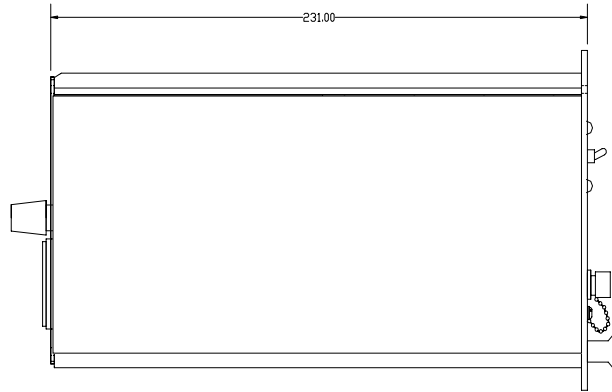
SPECIFICATIONS

- AC Analogue Output: Scalable to $\pm 7V$ p-p via 0.1, 1 and 10 gain control
- Frequency bandwidth 1Hz – 100kHz
- Selectable single or differential driven output
- BNC connector interface
- Power supply requirements - single phase AC supply:
 - Voltage $230V \pm 10\%$
 - Frequency $50Hz \pm 10\%$
 - Current $\leq 2 A$
- CE mark and RoHS compliant
- Self-diagnostic functionality built in
- Optical components Telcordia GR-468-CORE compliant
- Light intensity variation in optical fiber connections automatically compensated for
- Long optical fiber cable lead-out allows sensor to be remotely monitored i.e. In a control room environment
- Temperature: Operational 5 to 40°C
Storage -17 to 60°C
- Relative Humidity: 0 to 95%, non-condensing
- Weight: 2.70kg
- Unit dimensions: 106mm (W) x 128mm (H) x 231mm (D)
- 3U sub-rack mountable

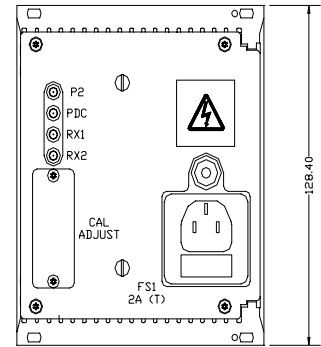
MECHANICAL DRAWING



REAR ELEVATION



END ELEVATION



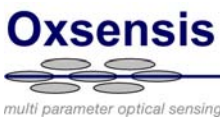
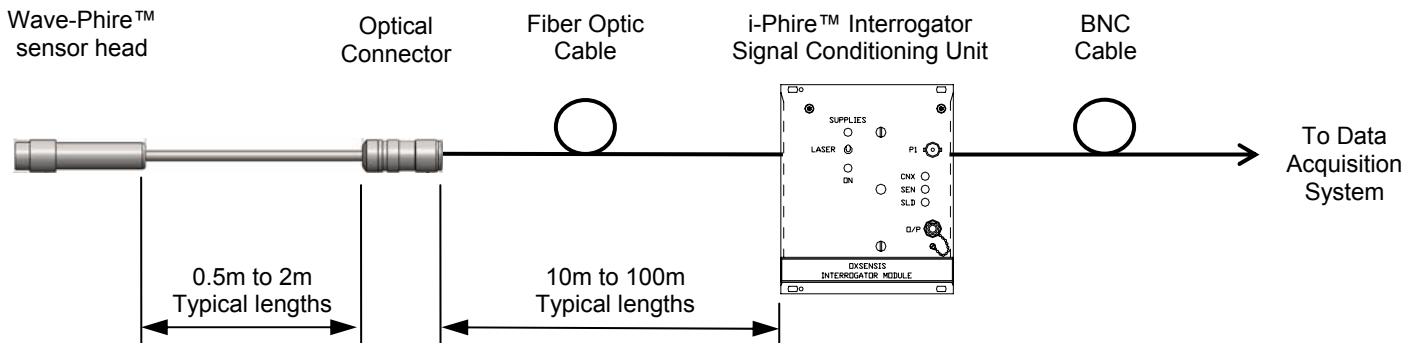
FRONT ELEVATION

RoHS Compliant
Directive 2005/95/EC



CLASS 1
LASER PRODUCT

COMPLETE SENSING SYSTEM



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As part of Oxsensis' commitment to ongoing improvements of our products, Oxsensis reserve the right to modify specifications without prior notification.