

TDLAS

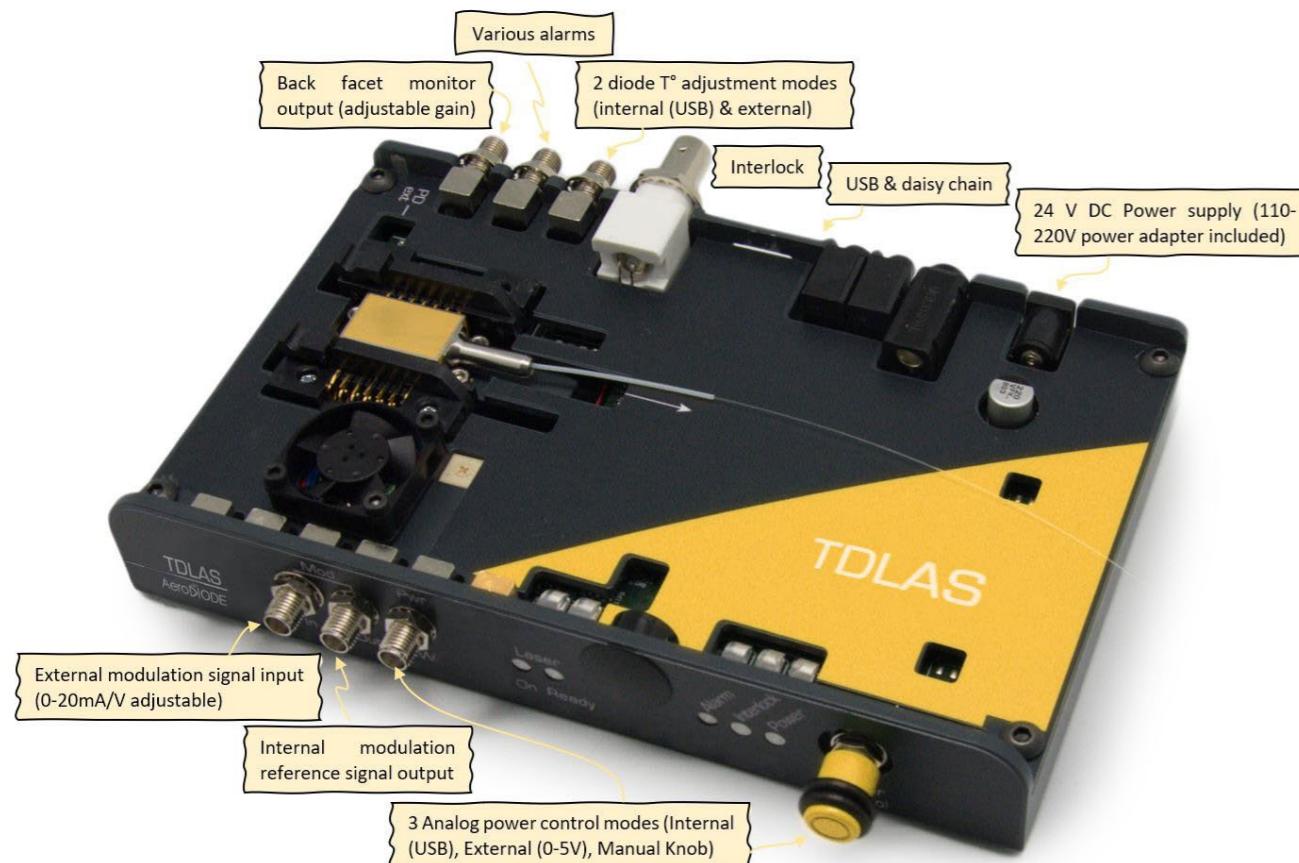
Laser diode driver for gaz sensing R&D



AeroDiode

TDLAS

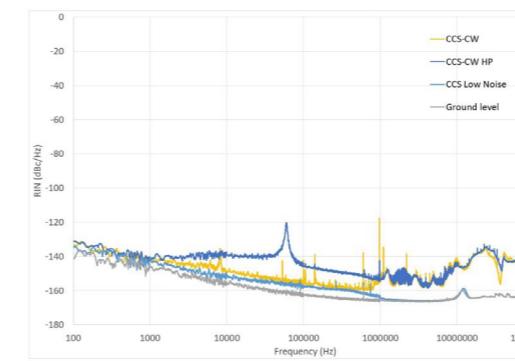
Laser diode driver for gas sensing R&D
with integrated butterfly mounting sockets and USB



Key features:

- Very low current noise with low setpoint drift and noise close to measurement instrument ground level
- Ideal for laser diodes such as **NTT**, **Eagleyard**, **Nanoplus**, **Eblana** etc.
- External current modulation with adjustable modulation transfer function (0 to 20 mA/V)
- Sinus, triangular or square wave internal modulation
- High resolution current level adjustment
- 1 mK precision integrated TEC Temperature Controller
- USB Interface with GUI & Programming Tools, Software Suite, DLL & LabVIEW Library
- Contains many functionalities for gas sensing techniques such as TDLAS, CAES, ICOS, CEAS, PS-CRDS, NICE-OHMS etc.
- Safe start-up and operations, with safe shut-offs

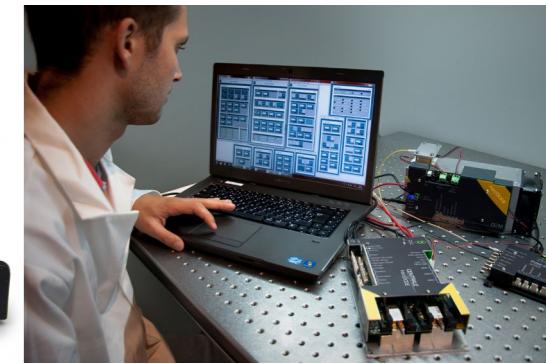
Technical Specifications



Noise level close to instrument ground level
(TDLAS/CCS-low noise is light blue curve)

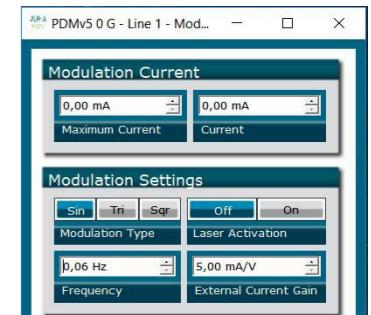


Front and back pannels

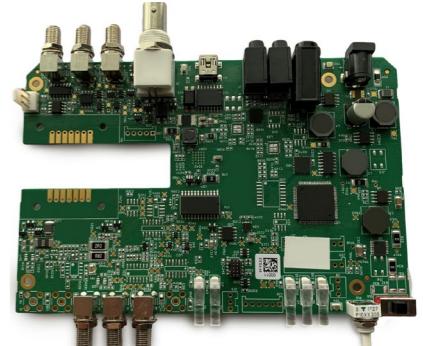


All Aerodiode products can be connected together and controlled by a single GUI

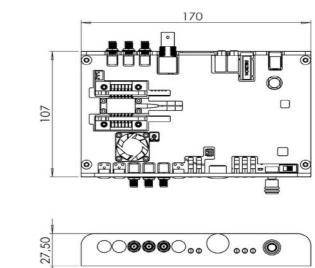
GUI software (modulation part):



Also available at board level:



Mechanical:





Aero^{DIODE}

Institut d'optique d'Aquitaine

Rue François Mitterrand
33400 Talence - France

Ph. +33 (0)6 27 69 41 52

www.aerodiode.com