

Device Specifications

OPTICAL OXYGEN METER FIRESTINGO2

For sensor specifications and response times, please refer to the webpages of the different sensor types.

Specifications	
Weight	Ca. 350 g
Dimensions (WxDxH)	68 x 120 x 30 mm
Optical sensor port	1, 2, or 4 for fiber-optic oxygen or temperature sensors/fibers with ST connector; each port freely configurable for O2 or T
Compatible optical sensors	Portfolio of optical O2 and temperature sensors with ST-connector from PyroScience
Temperature port	1 for Pt100 (external) temperature sensor with LEMO-connector
Integrated sensors	Ambient pressure, relative humidity
Measuring principle	REDFLASH technology from PyroScience
Max. sampling rate	4 / 20 samples per seconds (with / without temperature compensation)
Logging software	Oxygen Logger (free download)
System requirements	USB, Windows 7 / 8 / 10, min. 700 MB disk space
Power supply	Max. 70mA at 5VDC from USB (typ. 50mA)
Extension port	Serial interface (UART), ASCII communication protocol
Analog output	4 independent analog outputs, 0-2.5VDC, 14 bit resolution
Operating / storage temperature	0-50°C / -10-60°C
Max rel. humidity	Non-condensing conditions
Pt100 temperature sensor* range	-30°C- 150°C

resolution accuracy	0.02°C ±0.5°C
Pressure sensor range resolution accuracy	300-1100mbar 0.06mbar typ. ±3mbar
Humidity sensor range resolution accuracy	0-100%RH 0.04% RH typ. ±0.2%RH

*Please note, that the optical sensors have a different temperature range

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