

1 Device Specifications PICO₂

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

Weight	20 g
Dimensions (WxDxH)	54 x 15.5 x 15.5 mm
Oxygen sensor connector	Screw clamp for fibers with 3mm outer diameter
Optical oxygen sensor port	1 for optical oxygen sensors/fibers with PICO ₂ -connector
Compatible optical oxygen sensors	Contactless oxygen sensors with optical fiber with PICO ₂ -connector, robust oxygen probe OPROB ₃ , dipping probe OPDIP ₂₀
Temperature port	None; only for oxygen measurements at fixed temperatures
Measuring Principle	Lifetime detection of REDFLASH luminescence via fiber-optics
Excitation Wavelength	620 nm (orange-red)
Emission Wavelength	760 nm (NIR)
Max. sampling rate	20 samples per seconds
Logging Software	Oxygen Logger (free download)
System requirements	USB, Windows 7/8/10, min 700 MB disk space
Power supply	Max. 10mA at 5VDC from USB (typ. 3-5mA)
Operating / storage temperature	0-50°C / -10-60°C
Max rel. humidity	Non-condensing conditions

V1.01