

# Device Specifications

## POCKET OXYGEN METER

### FIRESTING GO2

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

Specifications	
<b>Weight</b>	Ca. 150 g
<b>Dimensions (WxDxH)</b>	52 x 97 x 20 mm
<b>Optical sensor port</b>	1 for fiber-optic oxygen sensors/fibers with ST-connector
<b>Compatible optical sensors</b>	Portfolio of O2 sensors/fibers with ST-connector from PyroScience
<b>Temperature port</b>	1 for Pt100 (external) temperature sensor with LEMO-connector
<b>Integrated sensors</b>	Ambient pressure, relative humidity
<b>Measuring principle</b>	Lifetime detection of REDFLASH luminescence via fiber-optics
<b>Max. sampling rate</b>	1 sample per seconds
<b>Typ. data file size</b>	ca. 100 bytes per data point
<b>Typ. stand-alone logging time</b>	ca. 1 week for 1 s logging interval ca. 2 months for 10 s logging interval ca. 6 months for 1 min logging interval ca. 1-2 years for >10 min logging interval
<b>Data management software</b>	FireStingGO2 Manager (free download)
<b>System requirements</b>	USB, Windows 7/8/10, min. 700 MB disk space
<b>Integrated battery</b>	Rechargeable lithium ion polymer battery
<b>Battery charging</b>	Via micro-USB, fully charged after ca. 2 hours
<b>Internal memory</b>	Industrial grade 4GB, ca. 40 million data points
<b>Operating temperature</b>	0°C - 50°C

<b>Max rel. humidity</b>	Max rel. humidity Non-condensing conditions
<b>Pt100 temperature sensor*</b> <b>range</b> <b>resolution</b> <b>accuracy</b>	-30°C- 150°C 0.02°C ±0.5°C
<b>Pressure sensor</b> <b>range</b> <b>resolution</b> <b>accuracy</b>	300-1100mbar 0.06mbar typ. ±3mbar
<b>Humidity sensor</b> <b>range</b> <b>resolution</b> <b>accuracy</b>	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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