FireSting-PRO
Multi-Analyte Meter

O₂   pH   T

For Multi-Analyte Measurements in a Single Sample

ONE DEVICE –MANY APPLICATIONS

- 1, 2 or 4 channels for optical sensors
- broad portfolio of optical oxygen, pH & temperature sensors
- channels freely configurable for each analyte
- advanced temperature & ambient pressure compensation
- analog outputs & broadcast mode
- versatile Workbench software with Data Inspector

www.pyroscience.com

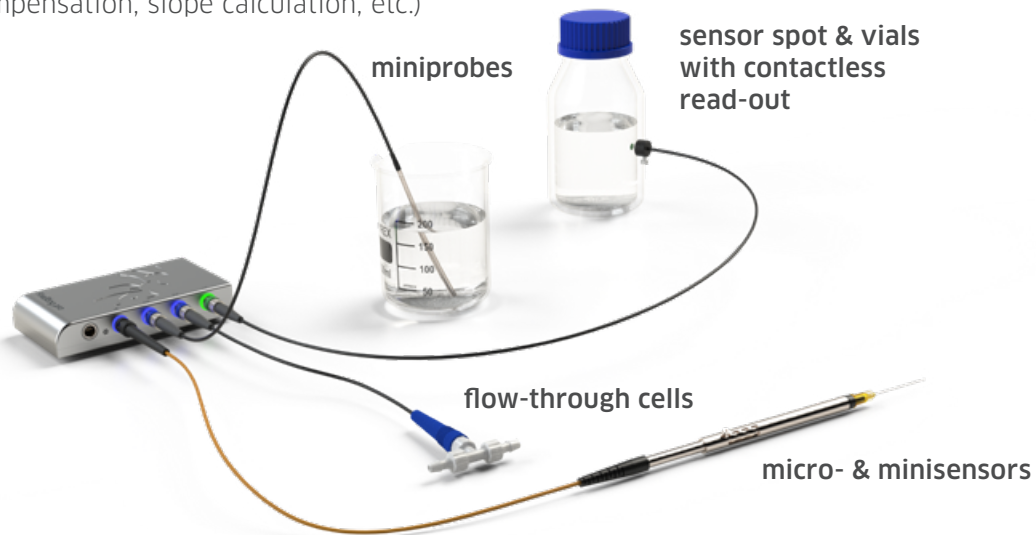# OPTICAL SENSING WITH CUTTING-EDGE TECHNOLOGY

One-Device Solution

Unprecedented one-device solution for multiple analytes and sensor heads with 1, 2 or 4 channels. New Features:

- freely configurable channels for several analytes
- broad optical sensor portfolio
- advanced temperature & ambient pressure compensation
- smart measurement modes for prolonged sensor lifetime
- included software with data processing options (drift compensation, slope calculation, etc.)

For Multi-Analyte Measurements

with:

- temperature compensation
- high speed sampling
- contactless read-out
- proven REDFLASH technology
- oxygen, pH and temperature sensors simultaneously in one sample

miniprobes

sensor spot & vials with contactless read-out

flow-through cells

micro- & minisensors

Specifications FireSting-PRO

Weight	ca. 290 g
Dimensions (w x l x h)	78 x 120 x 24 mm
Computer Interface	USB 2.0
Optical Sensor Port	1, 2 or 4 optical sensors
Optical Sensors	• oxygen, pH, temperature • complete PyroScience sensor portfolio
Temperature Port	Pt100 probes
Integrated Sensors	• relative humidity • atmospheric pressure
Operating conditions	• 0-50°C • non-condensing
Software	customer-friendly Pyro Workbench with Data Inspector tool

Sensor Specifications

Measuring Range* (optimum)	0-50% O_2 (gas) 0-22 mg/L (DO)
Detection Limit*	0.02% O_2 (gas) 0.01 mg/L (DO)
Response Time* (t90)	down to 0.3 s (gas/water)
pH Measuring Range	• pK5 pH 4-6 • pK6 pH 5-7 • pK7 pH 6-8 • pK8 pH 7-9

*except OXSOLV, OXNANO and TRACE sensors

One-Device Solution – Many Analytes & Applications

Sensor	Item	Analyte	Application
Miniprobes	OXROB…	O2	stirred water & gas
	+PHROB…	pH	water & media
Retractable Tip Minisensors	*OXR…	O2	water, gas & semi-solid samples
	TPR…	Temp	
Fixed Tip Minisensors	*OXF…	O2	water, gas & semi-solid samples (esp. seawater)
	TPF…	Temp.	
	OXF…-PT	O2	gas (puncturing septa/packaging)
Bare Fiber Minisensors	*OXB…	O2	water, gas & custom
	TPB…	Temp.	
	+PHB…	pH	water & custom (also other sensor formats)
Solvent-Resistant Probes	OXSOLV	O2	approved polar & nonpolar solvents
	OXSOLV-PTS	O2	approved solvent vapours
Nanoprobes	OXNANO	O2	aqueous solutions & microfluidics
Sensor Spots	OXSP5	O2	water & gas
	TPSP5	Temp.	
	+PHSP5…	pH	water & media
Sensor Vials	OXVIAL…	O2	water & gas
	TOVIAL…	Temp. & O2	
	+PHVIAL..	pH	water & media
	+PHTVIAL…	Temp. & pH	
	+PHTOVIAL…	Temp., pH & O2	
Flow-Through Cells	OXFTC…	O2	water & gas
	OXFTCR		
	TPFTC2	Temp.	
	TOFTC2	Temp. & O2	
	+PHFTCR…	pH	water & media

* also as Microsensor; + different pH ranges;

CONTACT AND SERVICE

Please contact us for more information
concerning our

- Lab & portable sensor systems
- Optical pH, O_2 & T sensors
- Sensor formats and ranges
- Underwater sensor systems
- OEM solutions