

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
- now also for pre-calibrated pH sensors
- channels freely configurable for each analyte
- advanced temperature & ambient pressure compensation
- versatile Workbench software with Data Inspector

OPTICAL SENSING WITH CUTTING-EDGE TECHNOLOGY

One-Device Solution

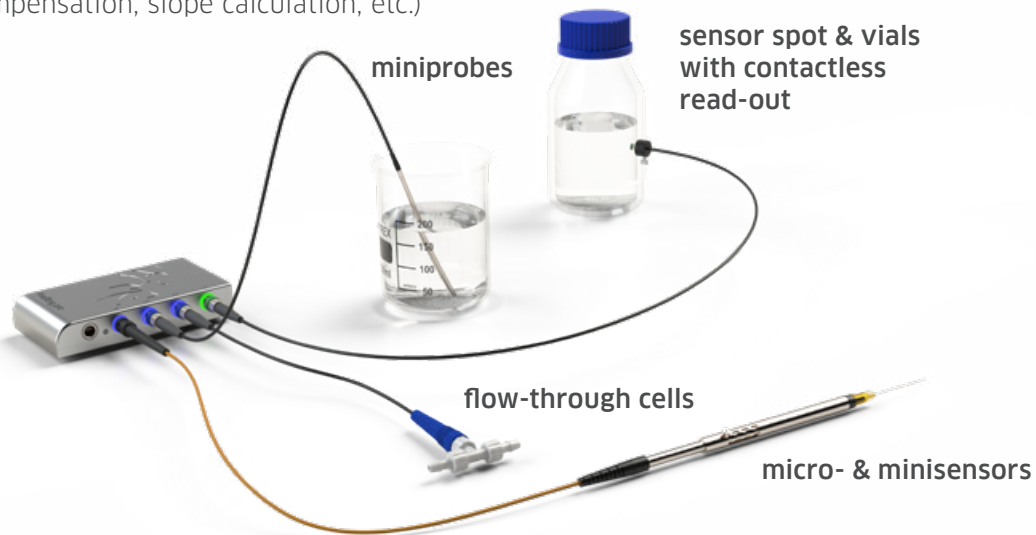
Unprecedented one-device solution for multiple analytes and sensor heads with 1, 2 or 4 channels.
New Features:

- 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
- now also for pre-calibrated pH sensors



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	<ul style="list-style-type: none"> • oxygen, pH, temperature • complete PyroScience sensor portfolio
Temperature Port	Pt100 probes
Integrated Sensors	<ul style="list-style-type: none"> • relative humidity • atmospheric pressure
Operating conditions	<ul style="list-style-type: none"> • 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* (t ₉₀)	down to 0.3 s (gas/water)
pH Measuring Range	<ul style="list-style-type: none"> • 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...	O ₂	stirred water & gas
	+PHROB...	pH	water & media
Retractable Tip Minisensors	*OXR...	O ₂	water, gas & semi-solid samples
	TPR...	Temp.	
Fixed Tip Minisensors	*OXF...	O ₂	water, gas & semi-solid samples (esp. seawater)
	TPF...	Temp.	
	OXF...-PT	O ₂	gas (puncturing septa/packaging)
	+PHF...	pH	water & media (also as bare fiber)
Bare Fiber Minisensors	*OXB...	O ₂	water, gas & custom
	TPB...	Temp.	
Solvent-Resistant Probes	OXSOLV	O ₂	approved polar & nonpolar solvents
	OXSOLV-PTS	O ₂	approved solvent vapours
Nanoprobes	OXNANO	O ₂	aqueous solutions & microfluidics
Sensor Spots	OXSP5	O ₂	water & gas
	TPSP5	Temp.	
	+PHSP5...	pH	water & media
Sensor Vials	OXVIAL...	O ₂	water & gas
	TOVIAL...	Temp. & O ₂	
	+PHTOVIAL...	Temp., pH & O ₂	water & media
Flow-Through Cells	OXFTC...	O ₂	water & gas
	OXFLOW		
	TPFLOW	Temp.	
	TOFTC2	Temp. & O ₂	
	+PHFLOW	pH	

* also as Microsensor; + different pH ranges;

CONTACT AND SERVICE

Please contact us for more information
concerning our

- Lab & portable sensor systems
- Optical pH, O₂ & T sensors
- Sensor formats and ranges
- Underwater sensor systems
- OEM solutions