

# Price List

## FireSting Sensors

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### 1 PRICES OXYGEN SENSORS (ST-CONNECTOR)

#### 1.1 Fiber Oxygen Sensors for FireSting Devices

For more available sensors and custom versions, please contact us!

Item	Description (Needle / Tip Diameter)	Price in EUR
<b>OXROB3</b>	Robust Oxygen Probe (3mm / 30mm), cable length 2m	300
<b>OXROB3-CL4</b>	Robust Oxygen Probe (3mm / 30mm), cable length 4m	330
<b>OXROB10</b>	Robust Oxygen Probe (3mm / 100mm), cable length 2m	300
<b>OXROB10-CL4</b>	Robust Oxygen Probe (3mm / 100mm), cable length 4m	330
<b>OXROB10-HS</b>	Robust Oxygen Probe (3mm / 100mm), cable length 2m with High Speed	330
<b>OXROBSC</b>	Robust Screw Cap Probe (4mm / 100mm), ST-connector, with 2 oxygen screw cap sensors, cable length 2m	390
<b>OXROBGSC-CL5</b>	Robust Screw Cap Probe (4mm / 100mm), ST-connector, with 2 oxygen screw cap sensors, cable length 5m	420
<b>OXROBGSC-CL10</b>	Robust Screw Cap Probe (4mm / 100mm), ST-connector, with 2 oxygen screw cap sensors, cable length 10m	470
<b>OXROBGSC-CL20</b>	Robust Screw Cap Probe (4mm / 100mm), ST-connector, with 2 oxygen screw cap sensors, cable length 20m	530
<b>OXSC</b>	Oxygen Sensor Screw Cap (PU=2 pieces), with optical isolation, for OXROBSC	240
<b>OXSCG</b>	Oxygen Sensor Screw Cap (PU=2 pieces), with optical isolation, for OXROBGSC	240
<b>TROXROB3</b>	Robust TRACE Oxygen Probe (3mm / 30mm)	300
<b>TROXROB10</b>	Robust TRACE Oxygen Probe (3mm / 100mm)	300

<b>OXR50</b>	Retractable Oxygen Microsensor (0.5mm / ca. 50-70µm)	290
<b>OXR50-CL4</b>	Retractable Oxygen Microsensor (0.5mm / ca. 50-70µm), Cable Length 4m	320
<b>OXR50-OI</b>	Retractable Oxygen Microsensor (0.5mm / ca.40-60µm), Optical Isolation	350
<b>OXR50-OI-CL4</b>	Retractable Oxygen Microsensor (0.5mm / ca.40-60µm), Optical Isolation, Cable Length 4m	400
<b>OXR50-HS</b>	Retractable Oxygen Microsensor (0.5mm / ca. 50-70µm), High Speed	320
<b>OXR50-UHS</b>	Retractable Oxygen Microsensor (0.5mm / ca. 50-70µm), Ultra-High Speed	350
<b>OXR50-UHS-CL4</b>	Retractable Oxygen Microsensor (0.5mm / ca. 50-70µm), Ultra-High Speed, Cable Length 4m	400
<b>OXR430</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm)	350
<b>OXR430-CL4</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), Cable Length 4 m	400
<b>OXR430-OI</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), Optical Isolation	430
<b>OXR430-OI-CL4</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), Optical Isolation, Cable Length 4m	460
<b>OXR430-HS</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), High Speed	400
<b>OXR430-HS-CL4</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), High Speed, Cable Length 4m	430
<b>OXR430-UHS</b>	Retractable Oxygen Minisensor (1.1mm / 430 µm), Ultra-High Speed	430
<b>TROXR430</b>	Retractable TRACE Oxygen Minisensor (1.1mm / 430 µm)	350
<b>OXF50</b>	Fixed Oxygen Microsensor (0.5mm / ca. 50-70µm)	290
<b>OXF50-OI</b>	Fixed Oxygen Microsensor (0.5mm / ca. 50-70µm), Optical Isolation	350
<b>OXF50-HS</b>	Fixed Oxygen Microsensor (0.5mm / ca. 50-70µm), High Speed	320
<b>OXF50-UHS</b>	Fixed Oxygen Microsensor (0.5mm / ca. 50-70µm), Ultra-High Speed	350
<b>OXF1100</b>	Fixed Oxygen Minisensor (1.2mm / 430µm)	350
<b>OXF1100-CL4</b>	Fixed Oxygen Minisensor (1.2mm / 430µm), Cable Length 4m	400
<b>OXF1100-OI</b>	Fixed Oxygen Minisensor (1.2mm / 430µm), Optical Isolation	430

<b>OXF1100-OI-CL4</b>	Fixed Oxygen Minisensor (1.2mm / 430µm), Optical Isolation, Cable Length 4m	460
<b>OXF1100-HS</b>	Fixed Oxygen Minisensor (1.2mm / 430µm), High Speed	400
<b>OXF1100-UHS</b>	Fixed Oxygen Minisensor (1.2mm / 430µm), Ultra-High Speed	430
<b>TROXF1100</b>	Fixed TRACE Oxygen Minisensor (1.2mm / 430µm)	350
<b>TROXF1100-CL4</b>	Fixed TRACE Oxygen Minisensor (1.2mm / 430µm), Cable Length 4m	400
<b>OXF500PT</b>	Protected Tip Oxygen Minisensor (0.5mm / 230µm)	350
<b>OXF500PT-OI</b>	Protected Tip Oxygen Minisensor (0.5mm / 230µm), Optical Isolation	430
<b>OXF500PT-OI-CL4</b>	Protected Tip Oxygen Minisensor (0.5mm / 230µm), Optical Isolation, Cable Length 4m	460
<b>OXF900PT</b>	Protected Tip Oxygen Minisensor (0.9mm / 230µm)	350
<b>OXF900PT-OI</b>	Protected Tip Oxygen Minisensor (0.9mm / 230µm), Optical Isolation	430
<b>OXB430</b>	Bare Fiber Oxygen Microsensor (430 µm)	320
<b>OXB430-OI</b>	Bare Fiber Oxygen Minisensor (430 µm), Optical Isolation	400
<b>OXB430-HS</b>	Bare Fiber Oxygen Microsensor (430 µm), High Speed	350
<b>OXB430-UHS</b>	Bare Fiber Oxygen Microsensor (430 µm), Ultra-High Speed	400
<b>OXB430-UHS-CL4</b>	Bare Fiber Oxygen Microsensor (430 µm), Ultra-High Speed, Cable Length 4m	430
<b>TROXB430</b>	Bare Fiber TRACE Oxygen Minisensor (430 µm)	320
<b>OXB50</b>	Bare Fiber Oxygen Microsensor (ca. 50-70µm)	280
<b>OXB50-CL4</b>	Bare Fiber Oxygen Microsensor (ca. 50-70µm), Cable Length 4m	310
<b>OXB50-OI</b>	Bare Fiber Oxygen Microsensor (ca.40-60µm), Optical Isolation	340
<b>OXB50-OI-CL4</b>	Bare Fiber Oxygen Microsensor (ca.40-60µm), Optical Isolation, Cable Length 4m	390
<b>OXB50-HS</b>	Bare Fiber Oxygen Microsensor (ca. 50-70µm), High Speed	310
<b>OXB50-UHS</b>	Bare Fiber Oxygen Microsensor (ca. 50-70µm), Ultra-High Speed	340

<b>OXIMP250</b>	Bare fiber oxygen sensor (pu=2 pcs.), 0.25mm fiber, 3-5mm length of sensing area	420
<b>OXIMP500</b>	Bare fiber oxygen sensor (pu=2 pcs.), 0.50mm fiber, 3-5mm length of sensing area	420
<b>OXIMP1000</b>	Bare fiber oxygen sensor (pu=2 pcs.), 1.0mm fiber, 3-5mm length of sensing area	420
<b>OXSOLV</b>	Solvent-Resistant Oxygen Probe (1.5mm / 150mm) Unprotected Protruding Tip	590
<b>OXSOLV-PTS</b>	Solvent-Resistant Oxygen Probe (1.5mm / 40mm) Protected Tip	590

## 1.2 Contactless Oxygen Sensors for FireSting Devices

For more available sensors and custom versions, please contact us!

<b>Item</b>	<b>Description</b>	<b>Price in EUR</b>
<b>OXFLOW</b>	Beta-sterilized flow-through cell with optical oxygen sensor (PU=4 piece), separate sterile packaging	390
<b>OXFLOW-Q12</b>	Beta-sterilized flow-through cell with optical oxygen sensor (PU=12 piece), separate sterile packaging	770
<b>OXFLOW-HS</b>	Beta-sterilized flow-through cell with optical oxygen sensor (PU=4 piece), separate sterile packaging, fast response time	480
<b>OXFLOW-HS-Q12</b>	Beta-sterilized flow-through cell with optical oxygen sensor (PU=12 piece), separate sterile packaging, fast response time	970
<b>TROXFLOW</b>	Beta-sterilized flow-through cell with optical TRACE oxygen sensor (PU=4 piece), separate sterile packaging	390
<b>TROXFLOW-Q12</b>	Beta-sterilized flow-through cell with optical TRACE oxygen sensor (PU=12 piece), separate sterile packaging	770
<b>OXFTC</b>	Flow-Through Cell with optical oxygen sensor, small (PU= 2 pieces)	240
<b>OXNANO</b>	Oxygen Nanoprobes (PU = 5 x 10mg).	700
<b>OXSP5</b>	Oxygen Sensor Spots (PU = 8 pieces)	300
<b>OXSP5-ADH</b>	Oxygen sensor spots (PU=8 pieces), self-adhesive	300
<b>OXSP5-ADH-STER</b>	Oxygen sensor spots (PU=8 pieces), self-adhesive, sterilized (25kGy beta-irradiation)	440
<b>TROXSP5</b>	TRACE Oxygen Sensor Spot (PU = 8 pieces)	300
<b>TROXSP5-ADH</b>	TRACE oxygen sensor spots (PU=8 pieces), self-adhesive	300

<b>TROXSP5-ADH-STER</b>	TRACE oxygen sensor spots (PU=8 pieces), self-adhesive, sterilized (25kGy beta-irradiation)	440
<b>OXVIAL4</b>	Vial (ca. 4 mL) with integrated optical oxygen sensor (PU = 4 pieces)	300
<b>OXVIAL20</b>	Vial (ca. 20 mL) with integrated optical oxygen sensor (PU = 4 pieces)	300
<b>TOVIAL20</b>	Vial (ca. 20 mL) with integrated optical oxygen and temperature sensor (PU = 4 pieces)	440

## 2 PRICES OPTICAL PH SENSORS

### 2.1 Fiber-optic pH Sensors (only for FireSting-PRO)

For more available sensors and custom versions, please contact us!

Item	Description	Price in EUR
<b>PHF500-PK6.5</b>	Fixed pH minisensor (0.8mm / 500µm), 2m cable length, pH range 5.5-7.5 (PU=2 pieces)	360
<b>PHF500-PK8</b>	Fixed pH minisensor (0.8mm / 500µm), 2m cable length, pH range 7.0-9.0 (PU=2 pieces)	360
<b>PHROBSC-PK5</b>	Robust pH Screw Cap Probe (4mm / 100mm), pH range 4.0 - 6.0, with 4 sensor screw caps	390
<b>PHROBSC-PK6</b>	Robust pH Screw Cap Probe (4mm / 100mm), pH range 5.0-7.0, with 4 sensor screw caps	390
<b>PHROBSC-PK7</b>	Robust pH Screw Cap Probe (4mm / 100mm), pH range 6.0 - 8.0, with 4 sensor screw caps	390
<b>PHROBSC-PK8</b>	Robust pH Screw Cap Probe (4mm / 100mm), pH range 7.0-9.0, with 4 sensor screw caps	390
<b>PHSC-PK5</b>	Sensor screw caps with pH range 4.0 - 6.0 for robust screw cap probe, (PU = 4 pieces)	140
<b>PHSC-PK6</b>	Sensor screw caps with pH range 5.0 -7.0 for robust screw cap probe, (PU = 4 pieces)	140
<b>PHSC-PK7</b>	Sensor screw caps with pH range 6.0 - 8.0 for robust screw cap probe, (PU = 4 pieces)	140
<b>PHSC-PK8</b>	Sensor screw caps with pH range 7.0 -9.0 for robust screw cap probe, (PU = 4 pieces)	140

## 2.2 Contactless pH Sensors (only for FireSting-PRO)

For more available sensors and custom versions, please contact us!

Item	Description	Price in EUR
PHFLOW-PK5	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=4 pieces), pH range 4-6, separate sterile packaging	290
PHFLOW-PK5-Q12	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=12 pieces), pH range 4-6, separate sterile packaging	570
PHFLOW-PK6	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=4 pieces), pH range 5-7, separate sterile packaging	290
PHFLOW-PK6-Q12	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=12 pieces), pH range 5-7, separate sterile packaging	570
PHFLOW-PK7	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=4 pieces), pH range 6-8, separate sterile packaging	290
PHFLOW-PK7-Q12	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=12 pieces), pH range 6-8, separate sterile packaging	570
PHFLOW-PK8	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=4 pieces), pH range 7-9, separate sterile packaging	290
PHFLOW-PK8-Q12	Beta-sterilized flow-through cell with integrated optical pH sensor (PU=12 pieces), pH range 7-9, separate sterile packaging	570
PHSP5-PK5	pH Sensor Spots, pH range 4.0 - 6.0, (PU = 8 pieces)	300
PHSP5-PK6	pH Sensor Spots, pH range 5.0 - 7.0, (PU = 8 pieces)	300
PHSP5-PK7	pH Sensor Spots, pH range 6.0 - 8.0, (PU = 8 pieces)	300
PHSP5-PK8	pH Sensor Spots, pH range 7.0 - 9.0, (PU = 8 pieces)	300
PHSP5-PK5-ADH	pH Sensor Spots, pH range 4.0 - 6.0, (PU = 8 pieces), self-adhesive	300
PHSP5-PK6-ADH	pH Sensor Spots, pH range 5.0 - 7.0, (PU = 8 pieces), self-adhesive	300
PHSP5-PK7-ADH	pH Sensor Spots, pH range 6.0 - 8.0, (PU = 8 pieces), self-adhesive	300
PHSP5-PK7-ADH-STER	pH Sensor Spots, pH range 6.0 - 8.0, (PU = 8 pieces), self-adhesive, sterilized (25kGy beta-irradiation)	440
PHSP5-PK8-ADH	pH Sensor Spots, pH range 7.0 - 9.0, (PU = 8 pieces), self-adhesive	300
PHTOVIAL20-PK7	Vial (ca. 20 mL) with integrated optical pH, oxygen & temperature sensor, pH range 6.0 - 8.0 (PU = 2 pieces)	350

<b>PHTOVIAL20- PK8</b>	Vial (ca. 20 mL) with integrated optical pH, oxygen & temperature sensor, pH range 7.0 - 9.0 (PU = 2 pieces)	350
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## 3 PRICES OPTICAL TEMPERATURE SENSORS

### 3.1 Fiber Temperature Sensors for FSO<sub>2</sub> / FSPRO Devices

For more available sensors and custom versions, please contact us!

Item	Description	Price in EUR
<b>TPR430</b>	Retractable Needle-Type Temperature Minisensor (1.1mm / 430µm)	350
<b>TPROBSC</b>	Robust Screw Cap Probe (4mm / 100mm), ST-connector, with 2 temperature screw cap sensors, cable length 2m	390
<b>TPSC</b>	Temperature Sensor Screw Cap (PU=2 pieces), with optical isolation, for OXROBSC	240
<b>TPF1100</b>	Fixed Needle-Type Temperature Minisensor (1.1mm / 430µm)	350
<b>TPB430</b>	Bare Fiber Temperature Minisensor (430µm)	320

### 3.2 Contactless Temperature Sensors FSO<sub>2</sub> / FSPRO Devices

For more available sensors and custom versions, please contact us!

Item	Description	Price in EUR
<b>TPFLOW</b>	Beta-sterilized flow-through cell with integrated optical temperature sensor (PU=4 pieces), separate sterile packaging	390
<b>TPFLOW-Q12</b>	Beta-sterilized flow-through cell with integrated optical temperature sensor (PU=12 pieces), separate sterile packaging	770
<b>TPSP5</b>	Optical Temperature Sensor Spots (PU=8 pieces)	300
<b>TPSP5-ADH</b>	Optical Temperature Sensor Spots (PU=8 pieces), self-adhesive	300
<b>TPSP5-ADH- STER</b>	Optical Temperature Sensor Spots (PU=8 pieces), self-adhesive, sterilized (25kGy beta-irradiation)	440

## 4 PRICES FOR SENSOR ACCESSORIES

### 4.1 Accessories for Contactless Sensors (O<sub>2</sub>, pH and T)

Item	Description	Price in EUR
<b>SPADBAS</b>	Basic Spot Adapter for fixing SPFIB-BARE or SPFIB-LNS at windows (PU= 4 pieces) Read-out of <b>OXSP5, TPSP5, PHSP5, OXNANO</b>	70
<b>SPFIB-BARE</b>	Bare Optical Fiber, ST-plug + one polished end, cable length 1m With all contactless sensors	70
<b>SPFIB-BARE-CL2</b>	Bare Optical Fiber, ST-plug + one polished end, cable length 2m With all contactless sensors	80
<b>SPFIB-LNS</b>	Optical fiber with integrated lens for FireSting devices, cable length 1m Read-out of <b>OXNANO, OXSP5, TPSP5, PHSP5</b> through >2mm walls	320
<b>SPFIB-LNS-CL2</b>	Optical fiber with integrated lens for FireSting devices, cable length 2m Read-out of <b>OXNANO, OXSP5, TPSP5, PHSP5</b> through >2mm walls	350
<b>SPGLUE</b>	Silicone Glue for fixing sensor spots + <b>SPADBAS</b> at transparent container walls. For gluing all sensor spots	40
<b>SPGLUE-KIT</b>	Gluing kit with 1 spoon spatula ( <b>SPTLA</b> ), 1 disposable syringe with screw cap, 5 flat needles. For gluing all sensor spots	60
<b>SPTLA</b>	Spoon spatula, 300 mm length, for handling sensor spots	40
<b>ADVIAL4</b>	Adapter ring for 4mL vials with 1 sensor	40
<b>ADVIAL20</b>	Adapter ring for 20mL vials with 1 sensor	40
<b>ADVIAL20T</b>	Adapter ring for 20mL vials with up to 3 sensors	40
<b>ADVIAL4-KIT</b>	Adapter kit including adapter rings ADVIAL4 & SPFIB-BARE-CL2 for connection to FSO <sub>2</sub> / FSPRO (PU = 4 pieces)	350
<b>ADVIAL20-KIT</b>	Adapter kit including adapter rings ADVIAL20 & SPFIB-BARE-CL2 for connection to FSO <sub>2</sub> / FSPRO (PU = 4 pieces)	350
<b>ADVIAL20T-KIT</b>	Adapter kit including adapter rings ADVIAL20T & SPFIB-BARE-CL2 for connection to FSO <sub>2</sub> /FSPRO (PU = 4 pieces)	350
<b>SEPVIAL4</b>	Septa with lids (with and without hole), for replacement in 4mL vials (PU=4 pieces)	30
<b>SEPVIAL20</b>	Septa with lids (with and without hole), for replacement in 20mL vials (PU=4 pieces)	30



## 4.2 Accessories for Calibration (O<sub>2</sub>, pH) and Application

Item	Description	Price in EUR
<b>OXCAL</b>	Calibrations capsules for 50ml 0% O <sub>2</sub> solution, PU=10 For 0% calibration of all O <sub>2</sub> sensors (except <b>OXNANO</b> )	53
<b>PHCAL2</b>	Buffer capsules for 100ml buffer (pH 2.0), PU = 10 Calibration of all pH sensors	53
<b>PHCAL11</b>	Buffer capsules for 100ml buffer (pH 11.0), PU = 10 Calibration of all pH sensors	53
<b>ADPATCH</b>	Adhesive sticker patches (PU=10 pcs.), Ø15mm, transparent, for piercing with protected tip oxygen minisensors	10

## 5 PT100 TEMPERATURE PROBES (WITH LEMO-CONNECTOR)

**Only valid within the EU, for overseas prices please contact us!**

Item	Description	Price in EUR
TDIP15	Temperature Sensor for FireSting devices, shielded dipping probe Ø1.5mm	180
TSUB21	Temperature Sensor for FireSting devices, Teflon-coated & submersible, cable length 2m, for long-term submersion in water	180
TSUB21-CL1	Temperature Sensor for FireSting devices, Teflon-coated & submersible, cable length 1m, for solvent-resistant probes & sensors with 1m cable length	180
TSUB21-CL5	Temperature Sensor for FireSting devices, Teflon-coated & submersible, cable length 5m, for sensors with 4m and 5m cable length	200
TSUB21-CL20	Temperature Sensor for FireSting devices, Teflon-coated & submersible, cable length 20m, for sensors with 10m and 20m cable length	260

### Contact

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