

# Solvent-Resistant Oxygen Probe

For application in approved solvents with FireSting® meters

O<sub>2</sub>



- Fiber-optic sensor for measurement of oxygen partial pressure in specific approved polar & nonpolar solvents (except fluorinated and some chlorinated hydrocarbons)
- Stainless steel housing with needle (OXSOLV:  $\varnothing$ 1.5mm, 150mm length) for stable mounting in experimental set-up (optional with protected tip OXSOLV-PTS:  $\varnothing$ 1.5mm, 40mm length)
- Typical application time in specific solvent in the range of minutes to 1 hour
- Repeated short-term application in approved solvent possible after re-calibration
- Tested solvents include pure solvents and complex solvent mixtures
- Application temperature: 5 - 45°C
- Measuring range: 0 - 200 hPa oxygen
- Compatible with fiber-optic meters FireSting®-O<sub>2</sub>, FireSting®-GO<sub>2</sub> and FireSting®-PRO
- Based on proven REDFLASH technology

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## Tested Solvents

Solvent	5 min	60 min	Solvent	5 min	60 min
Acetone*		✓	n-Hexane		✓
Acetonitrile		✓	2-Hydroxy ethyl methacrylate		✓
Acrylic acid	✓		Isopropanol		✓
Anisol		✓	Isooctane		✓
Butyl acrylate	✓		Kerosene		✓
Chloroform		✓	Methanol		✓
Cyclohexane		✓	Methyl methacrylate		✓
Diethyl ether	✓		Methyl tert-butyl ether		✓
Dimethylformamide		✓	Mineral oil		✓
Dimethyl sulfoxide		✓	Nitromethane		✓
Dioxane		✓	Propanol		✓
Diesel, biodiesel		✓	Propylene carbonate		✓
Ethanol		✓	Silicone oil		✓
Ethylene glycol		✓	Styrene		✓
Food oil		✓	Tetrahydrofurane*		✓
Gasoline	✓		Toluene		✓
n-Heptane		✓	Triethylamine		✓

\*after conditioning - contact [info@pyroscience.com](mailto:info@pyroscience.com) for more information

Not compatibel: Fluorinated and some chlorinated hydrocarbons

Not listed organic solvents: contact [info@pyroscience.com](mailto:info@pyroscience.com)

