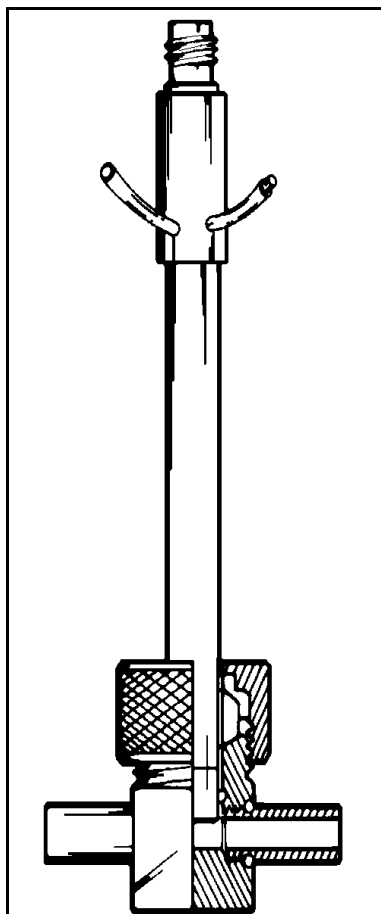


Flow-Through Dissolved Oxygen Assembly



This oxygen system is designed for O_2 measurements in a continuous flow-through environment. The pPhoenix flow-through oxygen cell is available in a 6000 μ l flow-through cell with 1/4" tube connection.

The flow cell is constructed of 316L stainless steel or ultem plastic. The cell and O_2 electrode are designed to be steam sterilized in the autoclave with the electrode installed.

Dissolved Oxygen electrodes are available in both polarographic and galvanic styles to fill all requirements. The O_2 electrode system is compatible with most common O_2 amplifiers.

The polarographic dissolved oxygen electrodes are available without automatic temperature compensation. If temperature compensation is needed, a separate temperature compensator is required. Temperature compensation is not normally required when calibration is made at a controlled temperature.

SPECIFICATIONS

Type	0251P18 Polarographic	025NG18 Galvanic
Cathode	Pt	Ag
Anode	Ag/AgCl	Pb
Response	98% 60 seconds	98% 90 seconds
Stability ¹	better than 2%	better than 2%
Temperature Compensation	no	no
Temperature Range	0-60°C	0 to 60°C
Sterilization Temperature	130°C	130°C
Residual Signal	Less than 1nA	Less than 0.4uA
Signal Output ²	50nA	10 to 15nA

¹ constant temperature

² medium saturated with air



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ELECTRODES

PART NUMBER	DESCRIPTION
0251P25-120-10	Polarographic electrode (order flow cell separately)
025NG25-120-10	Galvanic electrode (order flow cell separately)
8001020	Glass flow-through temperature compensator
8001025	Glass flow-through temperature compensator PT100 ohm RTD

FLOW-THROUGH CELLS

PART NUMBER	DESCRIPTION
1051001	316L stainless steel flow cell, 6000µl (other sizes available upon special order)
1001010	Ultem flow cell, 6000µl (other sizes available upon special order)

ACCESSORIES

PART NUMBER	DESCRIPTION
M0500P1 -KS	Membrane service kit for polarographic electrode, includes three membrane cartridges, filling solution, expansion foams, and O-rings.
M0S00NG1-K1	Membrane service kit for galvanic electrode, includes three membrane cartridges, filling solution, expansion foams, and O-rings.
M0500P2-M6	One replacement polarographic membrane cartridge and O-rings
M050NG1-M1	One replacement galvanic membrane cartridge and O-rings
R001068	Filling solution - 125 ml for polarographic electrodes
R001069	

CABLES

PART NUMBER	DESCRIPTION
900109I-010B	BNC connector
9001091-010I	Din connector plus 3 pins
9001091-010D	Dual pin connector
9001091-010U	Banana plugs
9001091-010T	No connector
9001091-010CC	Custom cable with choice of plug, lemo connector. Specify size and pin number.



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