



工業用發酵槽 25mm溶氧電極
Model D400&D405 OxyProbe Series

Product Specifications:

Model:	D400&D405
Sensor body:	316l stainless steel
Membrane:	Teflon/silicone
Membrane cartridge:	High-temperature resistant plastic (PPS)
Cathode:	Platinum (Pt)
Anode:	Silver (Ag)
Electrolyte:	KOH/KCl solution,ph13
Response time:	98% of readout in (@25°C 60 seconds) 98% of readout in (@60°C 20 seconds)
Stability:	In water,under constant pressure and at a constant Temperature drift amounts to less than 2% per week
Flow dependence:	Readings in stirred and unstirred solutions differ By approximately,3-5%
Polarization voltage:	675 mV
Electrode current in ambient air:	Approximately 60*10-9 amps
Electrode current in N2:	<1% of current in ambient air
Temperature coefficient of membrane at constant O2 partial pressure:	Approximately 2.3%/k at 25°C
Temperature range:	0-80°C (Sterilization maximum 130°C)
Temperature compensation:	Automatic with built-in Pt-100
Linearity:	<0.3% of readout
Maximum pressure:	58 psig, 4bar (atm)
Cable connection:	Standard 4-pin
Wetted materials:	All metal parts in contact with sample solution are made of 316L stainless steel. Wetted surface of
O-ring seal:	Silicone rubber

Ordering information

Sensor Model	Sensor Length	Insertion Length	Sensor Order Nubber
D400 (405)	70mm	35mm	A-D400 (405) -B070-PT-D9
D400 (405)	150mm	115mm	A-D400 (405) -B150-PT-D9
D400 (405)	220mm	182mm	A-D400 (405) -B220-PT-D9
D400 (405)	320mm	278mm	A-D400 (405) -B320-PT-D9