

**Product Specifications:**

Model:	D140&D145
Sensor body:	316l stainless steel
Membrane:	Teflon/silicone
Membrane cartridge:	316l stainless steel
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 membrane in silicone
O-ring seal:	EPDM

**Ordering information**

Sensor Model	Sensor Length	Insertion Length	Sensor Order Number
D140 (145)	120mm	110mm	A-D140 (145) -B120-PT-D9
D140 (145)	150mm	140mm	A-D140 (145) -B150-PT-D9
D140 (145)	220mm	210mm	A-D140 (145) -B220-PT-D9
D140 (145)	320mm	310mm	A-D140 (145) -B320-PT-D9
D140 (145)	420mm	410mm	A-D140 (145) -B420-PT-D9