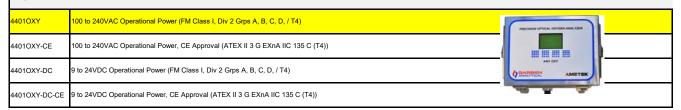




Precision Optical Oxygen Analyzers - Gas or Liquid Phase

Optical Oxygen Analyzer: Measuring Range is dependent on BOSx sensor selection (see sensor specs), HMI Interface with backlit LCD, Stainless Steel NEMA 4X Housing, Wall Mounted, Programmable 4-20mA or 0-10VDC output (fail high diagnostics), Digital RS232 ASCII output, PT1000 RTD (2-wire) and oxygen sensor (SMA) analog inputs, Hazardous Area approvals (FM or ATEX / CE labeed per model selection, Operating Temp = 0 to 50C.



BOS P	BOS Precision Optical Oxygen Sensors - Gas or Liquid Phase							
Sensor	Sensor	& Bod	y Proces	Cable	Sensor	Lead	Agency	
Type	Seals	Mater	rial Connecti	on Armor	Length	Length	Approval	
Optode								
BOS1			0 - 41.4 hPa) o					
BOS2		_) - 250 hPa) or					
BOS3			ppm with 1000	ppm over-ra	nge)			
	Sensor	and Seal			ula aanaan	/na interval	to man a nati ma	
	V		O-ring seals (B					compensation, sold separately)
	E		O-ring seals (
	K							AFETAP Sensors only)
			Material					
		1	316 Stainl	ess (all versi	ons)			
		2		3r2 (BOS FL				
		3		C 276 (BOS	FLEXSENS	SE Sensors	only)	
				onnection				
			A				E Sensors on	
			B C					FLEXSENSE Sensors only) S FLEXSENSE Sensors only)
			D					OS SAFETAP sensors only)
			E					250 PSIG Max. NACE MR0175 (BOS SAFETAP sensors only)
				Cable A	rmor		_	
				1		cketing Pro		
				2				RSENSE sensors only (Use "N" For PVC Jacket Length)
							• •	fer to "44010XY Oxygen Analyzer & BOS Sensors Datasheet") dard lead length only)
					0.7 2.5	2.5M (8.2		aard lead length only)
					5.0	5.0M (16.		
					10.			d BOS2 Sensors only
					XXX			M consult factory)
								Select "N" for BUS FIBERSENSE & SAFETAP Sensors. Uptions 1, 2, 5, 7 for BUS FLEXSENSE UL Dual Seals e options allow PVC jacket fiber length specified separate from the overall jacket fiber length. (Refer to
								nalyzer & BOS Sensors Datasheet")
						N		direct connect to 44010XY Analyzer - Required for BOS FLEXSENSE & SAFETAP Sensors
						1		Fiber Length 1M (Temperature Comp separate, with certified 1/2" NPT cable gland)
						2		: Fiber Length 2M (Temperature Comp separate, with certified 1/2" NPT cable gland)
						5	PVC Jacket	: Fiber Length 5M (Temperature Comp separate, includes certified 1/2" NPT cable gland, 10M length only)
						7		: Fiber Length 7M (Temperature Comp separate, includes certified 1/2" NPT cable gland, 10M length only)
						X Special PVC Jacket Fiber Length (If >10M consult factory)		
					Agency Approval			
							ST	Standard
			I				SN UL	Standard no integral TC (Use B1150-1005 below) UL Dual Seal Approval (BOS FLEXSENSE only, No integral Temperature Compensation available)
			I					or but out / pprova (500 / EE/OEROE Only, no integral rempetature compensation available)
Mtl	AIP	Bod	v Elec	Tip	TC	Opt	Depth	
BOS3	V	1	С	1	2.5	N	SN	Typical BOSx FlexSense Configuration
BOS3	N	1	Α	1	2.5	N	SN	Typical BOSx FiberSense Configuration
BOS3	٧	1	С	1	2.5	N	ST	Typical BOSx SafeTap Configuration

Sample	Calibration	Danole	for Gae	(120/240VAC)

outliple outlibration 1 ariels for ous (120/2404Ad)				
	Sample Calibration Panel for Gas, For BOS FLEXSENSE, SS panel includes the flowcell, pressure regulator, filters, and glass tube flow meters			
SCP-CT	Sample Calibration Panel for Gas, For BOS FIBERSENSE, SS panel includes the flowcell, pressure regulator, filters, and glass tube flow meters			
B5106-1018	Liquid Drain Pot Accessory for SCP panels, Provides liquid trap with visible window and drain for use in high moisture applications.			
NOTE - When ordering Sample Calibration Panels the 44010XY Oxygen Analyzer, BOS sensor, and temperature sensor must be specified separately. Consult Barben for assistance.				

Portable Oxygen Analyzer for Gas PSC3-OXY

PSC3-OXY-BOS3-DC	Portable Carry Case with 44010XY-DC (9 to 24VDC), BOS3 Sensor, PT1000, sample system, gas quick disconnects, UL rated plug / receptacle				
PSC3-OXY-BOS3-AC	Portable Carry Case with 44010XY (120/240VAC), BOS3 Sensor, PT1000, sample system, gas quick disconnects, UL rated plug / receptacle				
PSC3-OXY-BOS1-DC	Portable Carry Case with 4401OXY-DC (9 to 24VDC), BOS1 Sensor, PT1000, sample system, gas quick disconnects, UL rated plug / receptacle				
PSC3-OXY-BOS1-AC	Portable Carry Case with 44010XY (120/240VAC), BOS1 Sensor, PT1000, sample system, gas quick disconnects, UL rated plug / receptacle				





Accessorie	s for BOS FLEXSENSE Optical Sensors	
B4992-1001	Flow Cell Assy 316SS for 120mm Length Sensor with 1/2"NPT Thread 1/4" Compression Inlet/Outlet 150 PSIG max pressure (Drawing 2P0224)	B. Co
B4992-1005	Flow Cell Assy 316SS for 120mm Length Sensor with 1" NPT Thread 1/4" Compression Inlet/Outlet 150 PSIG max pressure (Drawing 2P0255)	
B4992-1006F	Flow Cell Assy 316SS for 120mm Length Sensor with 1/2"NPT Thread 1/4" Compression Inlet/Outlet 1000 PSIG max pressure (Drawing 2P0270)	
B4992-1007F	Flow Cell Assy Titanium for 120mm Length Sensor with 1/2"NPT Thread 1/4" Compression Inlet/Outlet 1000 PSIG max pressure (Drawing 2P0270)	
B4992-1008F	Flow Cell Assy Hastelloy C 276 for 120mm Length Sensor with 1/2"NPT Thread 1/4" Compression Inlet/Outlet 1000 PSIG max pressure (Drawing 2P0270)	

Part #	Optode	Body Material (Wetted)	O-Ring Seals (Wetted
B3907-1051	BOS1	316 Stainless	Viton
B3907-1052	BOS1	Titanium Gr2	Viton
B3907-1086	BOS1	Hastelloy-C 276	Viton
B3907-1087	BOS1	316 Stainless	EPDM
B3907-1074	BOS1	Titanium Gr2	EPDM
B3907-1082	BOS1	Hastelloy-C 276	EPDM
B3907-1088	BOS1	316 Stainless	FFKM (perfluoroelastomer)
B3907-1080	BOS1	Titanium Gr2	FFKM (perfluoroelastomer)
B3907-1084	BOS1	Hastelloy-C 276	FFKM (perfluoroelastomer)
B3907-1053	BOS2	316 Stainless	Viton
B3907-1054	BOS2	Titanium Gr2	Viton
B3907-1089	BOS2	Hastelloy-C 276	Viton
B3907-1090	BOS2	316 Stainless	EPDM
B3907-1075	BOS2	Titanium Gr2	EPDM
B3907-1083	BOS2	Hastelloy-C 276	EPDM
B3907-1091	BOS2	316 Stainless	FFKM (perfluoroelastomer)
B3907-1081	BOS2	Titanium Gr2	FFKM (perfluoroelastomer)
B3907-1085	BOS2	Hastelloy-C 276	FFKM (perfluoroelastomer)
B3907-1041	BOS3	316 Stainless	Viton
B3907-1058	BOS3	Titanium Gr2	Viton
B3907-1072	BOS3	Hastelloy-C 276	Viton
B3907-1040	BOS3	316 Stainless	EPDM
B3907-1057	BOS3	Titanium Gr2	EPDM
B3907-1071	BOS3	Hastelloy-C 276	EPDM
B3907-1042	BOS3	316 Stainless	FFKM (perfluoroelastomer)
B3907-1070	BOS3	Titanium Gr2	FFKM (perfluoroelastomer)
B3907-1073	BOS3	Hastellov-C 276	FFKM (perfluoroelastomer)

B3907-1073	BOS3 Hastelloy-C 276	FFKM (perfluoroelastomer)		
Accessorio	s for BOS FIBERSENSE Optical Sensors			
B4992-0013		4mm and 1/4" Ports for Oxygen & Temp Sensor (Drawing 2P0194)		
B4954-1004	Wand Compression Fitting SS316 for 1/4" Slip Stream - Use with 1/4" tubing fittings (customer supplied)			
General Ac	cessories for Optical Sensors			
B1150-1001	External Temperature Compensation - PT1000 Sensor - 1/4"	" Dia x 4" 316SSS Body - 8ft Cable NO Armor		
B1150-1000	External Temperature Compensation - PT1000 Sensor - 1/4"	" Dia x 4" 316SSS Body - 15ft Cable NO Armor		
B1150-1002	External Temperature Compensation - PT1000 Sensor - 1/4" Dia x 4" 316SSS Body - 15ft Cable with Armor			
B1150-1005	External Temperature Compensation - PT1000 Sensor - 1/8" Dia x 4" 316SSS Body - 2ft (0.7m) Cable with Armor			
B1150-1012	External Temperature Compensation - PT1000 Sensor - 1/8" Dia x 4" 316SSS Body - 6ft (2.5m) Cable with Armor			
B1150-1013	External Temperature Compensation - PT1000 Sensor - 1/8" Dia x 4" 316SSS Body - 16ft (5m) Cable with Armor			
B1150-1014	External Temperature Compensation - PT1000 Sensor - 1/8" Dia x 4" 316SSS Body - 33ft (10m) Cable with Armor			
B4965-1000	Flowmeter 0.2 - 2.5 LPM w/SS Valve			
B4980-1046	Coalescing Filter, 0.3 um filter			
B4954-1052	1/8" T * 1/4" MNPT adapter, used to mount RTD into Flowcell (B4992-1006F)			
B4954-1013BT	1/8" T * 1/4" T adapter bored, used to mount RTD into 1/4" Tube Fitting			
B4952-1012	Teflon Ferrule, 1/8" for RTD to prevent Swage and increase thermal isolation			
B4965-1000	Flowmeter 0.2 - 2.5 LPM w/SS Valve			