

DrägerSensor® Selection and Warranty Chart



Sensor Description	Measuring Range	Resolution	Part No.	Compatible Instruments							Recommended Cal Interval	Required Cal Interval	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock	Comments	
				Pac 35/5500	Pac 7000	X-am 5100	X-am 2500	X-am 5000	X-am 5600	X-am 7000						Warranty
XXS-E DrägerSensor®																
Carbon Monoxide (CO) XXS-E	0 - 2,000 ppm	2 ppm	6812212		X			X	X		5-Yr	6 Months	12 Months	100 ppm CO	100 ppm CO	
Hydrogen Sulfide (H ₂ S) XXS-E	0 - 200 ppm	1 ppm	6812213		X			X	X		5-Yr	6 Months	12 Months	25 ppm H ₂ S	25 ppm H ₂ S	
Oxygen (O ₂) XXS-E	0 - 25% Vol.	0.1% Vol.	6812211		X			X	X		5-Yr	6 Months	12 Months	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock
XXS DrägerSensor®																
Amines XXS	0 - 100 ppm	1 ppm	6812545					X	X		1-Yr	3 Months	6 Months	50 ppm NH ₃	50 ppm NH ₃	
Ammonia (NH ₃) XXS	0 - 300 PPM	1 ppm	6810888		X			X	X		1-Yr	3 Months	6 Months	50 ppm NH ₃	50 ppm NH ₃	
Carbon Dioxide (CO ₂) XXS	0 - 5%	0.1% Vol.	6810889		X			X	X		1-Yr	3 Months	6 Months	2.5% Vol CO ₂	2.5% Vol CO ₂	
Carbon Monoxide (CO) XXS ¹	0 - 2,000 ppm	2 ppm	6810882	X	X			X	X	X	3-Yr	6 Months	12 Months	100 ppm CO	100 ppm CO	
Carbon Monoxide Low Conc. (CO) XXS LC ¹	0 - 2,000 ppm	1 ppm	6813210		X			X	X	X	2-Yr	6 Months	12 Months	100 ppm CO	100 ppm CO	
Carbon Monoxide High Conc. (CO) XXS HC	0 - 10,000 ppm	5 ppm	6812010					X	X		1-Yr	3 Months	6 Months	100 ppm CO	100 ppm CO	
CO Hydrogen Compensated (CO-H ₂ CP) XXS	0 - 2,000 ppm	2 ppm	6811950					X	X		2-Yr	6 Months	12 Months	100 ppm CO 500 ppm H ₂	100 ppm CO 500 ppm H ₂	
CO-LC/H ₂ S-LC Dual Sensor XXS	0 - 2000 ppm CO 0 - 100 ppm H ₂ S	1 ppm 0.1 ppm	6813280					X	X		2-Yr	6 Months	12 Months	100 ppm CO 25 ppm H ₂ S	100 ppm CO 25 ppm H ₂ S	
CO/H ₂ S Dual Sensor XXS	0 - 2000 ppm CO 0 - 200 ppm H ₂ S	2 ppm 1 ppm	6811410					X	X		2-Yr	6 Months	12 Months	100 ppm CO 25 ppm H ₂ S	100 ppm CO 25 ppm H ₂ S	
Chlorine (Cl ₂) XXS	0 - 20 ppm	0.1 ppm	6810890		X			X	X		1-Yr	3 Months	6 Months	5 ppm Cl ₂	5 ppm Cl ₂	
Hydrogen Cyanide (HCN) XXS	0 - 50 ppm	1 ppm	6810887		X			X	X		2-Yr	3 Months	6 Months	10 ppm HCN	10 ppm HCN	
Hydrogen Cyanide (HCN) XXS PC	0 - 50 ppm	0.5 ppm	6813165		X			X	X		1-Yr	3 Months	6 Months	10 ppm HCN	10 ppm HCN	
Hydrogen High Conc. (H ₂) XXS HC	0 - 4% Vol.	0.1% Vol.	6812025					X	X		1-Yr	3 Months	6 Months	2% Vol (50%LEL) H ₂	2% Vol (50%LEL) H ₂	
Hydrogen Low Conc. (H ₂) XXS	0 - 2,000 ppm	5 ppm	6812370					X	X		1-Yr	3 Months	6 Months	500 ppm H ₂	500 ppm H ₂	
Hydrogen Sulfide (H ₂ S) XXS ¹	0 - 200 ppm	1 ppm	6810883		X			X	X	X	3-Yr	6 Months	12 Months	25 ppm H ₂ S	25 ppm H ₂ S	
Hydrogen Sulfide High Conc. (H ₂ S) XXS HC	0 - 1,000 ppm	2 ppm	6812015					X	X		1-Yr	3 Months	6 Months	100 ppm H ₂ S	100 ppm H ₂ S	
Hydrogen Sulfide Low Conc. (H ₂ S) XXS LC ¹	0 - 100 ppm	0.1 ppm	6811525	X	X			X	X	X	3-Yr	6 Months	12 Months	25 ppm H ₂ S	25 ppm H ₂ S	
Nitrogen Dioxide (NO ₂) XXS	0 - 50 ppm	0.1 ppm	6810884		X			X	X	X	2-Yr	3 Months	6 Months	5 or 10 ppm NO ₂	5 or 10 ppm NO ₂	
Nitrogen Dioxide Low Conc. (NO ₂) XXS LC	0 - 50 ppm	0.02 ppm	6812600					X	X		1-Yr	3 Months	6 Months	5 ppm NO ₂	5 ppm NO ₂	
Nitrogen Oxide (NO) XXS	0 - 200 ppm	1 ppm	6811545		X			X	X		1-Yr	3 Months	6 Months	25 ppm NO	25 ppm NO	
Odorant (mercaptan) XXS	0 - 40 ppm	1 ppm	6812535					X	X		1-Yr	3 Months	6 Months	10 ppm MeM	10 ppm THT	MeM not available on X-dock
Organic Vapor (OV) XXS	0 - 200 ppm	0.5 ppm	6811530		X			X	X		1-Yr	3 Months	6 Months	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	ETO or CO only for Pac 7000 OV on X-dock
Organic Vapor A (OV-A) XXS	0 - 200 ppm	1 ppm	6811535		X			X	X		1-Yr	3 Months	6 Months	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	ETO or CO only for Pac 7000 OV-A on X-dock
O ₂ /CO-LC Dual Sensor XXS	0 - 25% Vol O ₂ 0 - 2000 ppm CO	0.1%Vol 1 ppm	6813275					X	X		2-Yr	6 Months	12 Months	100 ppm CO ambient air	100 ppm CO ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock
Oxygen (O ₂) XXS ¹	0 - 25% Vol.	0.1% Vol.	6810881	X	X			X	X	X	3-Yr	6 Months	12 Months	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock
Oxygen (O ₂) XXS O ₂ 100	0 - 100% Vol.	0.5% Vol.	6812385					X	X		1-Yr	3 Months	6 Months	ambient air	ambient air	Calibrate at altitude where being used
Ozone (O ₃) XXS	0 - 10 ppm	0.01 ppm	6811540					X	X		1-Yr	3 Months	6 Months	5 ppm NO ₂	5 ppm NO ₂	N ₂ required for zero calibration
Phosgene (COCl ₂) XXS	0 - 10 ppm	0.01 ppm	6812005					X	X		1-Yr	3 Months	6 Months	2 to 3 ppm COCl ₂	2 to 3 ppm COCl ₂	Calibration gas not sold by Draeger
Phosphine (PH ₃) XXS	0 - 20 ppm	0.1 ppm	6810866		X			X	X		1-Yr	3 Months	6 Months	0.5 ppm PH ₃	0.5 ppm PH ₃	
Phosphine High Conc. (PH ₃) XXS HC	0 - 1,000 ppm	1 ppm	6812020					X	X		1-Yr	3 Months	6 Months	5 ppm PH ₃	5 ppm PH ₃	
Sulfur Dioxide (SO ₂) XXS	0 - 50 ppm	0.1 ppm	6810885		X			X	X	X	2-Yr	3 Months	6 Months	5 ppm SO ₂	5 ppm SO ₂	Do not use H ₂ S/SO ₂ mixed gas on the X-dock

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				Pac 35/5500	Pac 7000	X-am 5100	X-am 2500	X-am 5000	X-am 5600	X-am 7000						
XS-R DrägerSensor®																
Carbon Monoxide (CO) XS-R	0 - 2,000 ppm	1 ppm	6810258							X	5-Yr	6 Months	12 Months	100 ppm CO	N/A	
Hydrogen Sulfide (H ₂ S) XS-R	0 - 100 ppm	1 ppm	6810260							X	5-Yr	6 Months	12 Months	25 ppm H ₂ S	N/A	
Oxygen (O ₂) XS-R	0 - 25% Vol.	0.1% Vol.	6810262							X	5-Yr	6 Months	12 Months	ambient air	N/A	
XS DrägerSensor®																
Amines XS	0 - 100 ppm	1 ppm	6809545							X	1-Yr	3 Months	6 Months	50 ppm NH ₃	N/A	
Ammonia (NH ₃) XS	0 - 200 ppm	1 ppm	6809145							X	1-Yr	3 Months	6 Months	50 ppm NH ₃	N/A	
Carbon Dioxide (CO ₂) XS	0 - 5% Vol.	0.1% Vol.	6809175							X	1-Yr	1 Month	3 Months	2.5% Vol CO ₂	N/A	
Carbon Monoxide (CO) XS	0 - 2,000 ppm	1 ppm	6809105							X	3-Yr	6 Months	12 Months	100 ppm CO	N/A	
Carbon Monoxide (CO) XS HC	0 - 10,000 ppm	1 ppm	6809120							X	1-Yr	3 Months	6 Months	100 ppm CO	N/A	
Chlorine (Cl ₂) XS	0 - 20.0 ppm	0.1 ppm	6809165							X	1-Yr	3 Months	6 Months	5 ppm Cl ₂	N/A	
Chlorine Dioxide (ClO ₂) XS	0 - 20.0 ppm	0.1 ppm	6811360							X	1-Yr	3 Months	6 Months	1 ppm ClO ₂	N/A	
Hydrazine (N ₂ H ₄) XS	0 - 3.00 ppm	0.01 ppm	6809190			X					1-Yr	1 Month	3 Months		N/A	Factory calibration only
Hydride XS	0 - 20.0 ppm	0.1 ppm	6809135							X	1-Yr	3 Months	6 Months	0.5 ppm PH ₃	N/A	
Hydrogen (H ₂) XS	0 - 2,000 ppm	1 ppm	6809185							X	1-Yr	3 Months	6 Months	500 ppm H ₂	N/A	
Hydrogen (H ₂) XS HC	0 - 4.0% Vol.	0.01% Vol.	6811365							X	1-Yr	3 Months	6 Months	2% Vol (50%LEL) H ₂	N/A	
Hydrogen Cyanide (HCN) XS	0 - 50.0 ppm	0.1 ppm	6809150							X	1-Yr	3 Months	6 Months	10 ppm HCN	N/A	
Hydrogen Fluoride/Hydrogen Chloride (HF/HCl) XS	0 - 30.0 ppm	0.1 ppm	6809140			X					1-Yr	1 Month	3 Months	25 ppm HCl	N/A	
Hydrogen Peroxide (H ₂ O ₂) XS	0 - 20.0 ppm	0.1 ppm	6809170			X					1-Yr	3 Months	6 Months	10 ppm SO ₂	N/A	
Hydrogen Sulfide (H ₂ S) XS	0 - 100 ppm	1 ppm	6809110							X	3-Yr	6 Months	12 Months	25 ppm H ₂ S	N/A	
Hydrogen Sulfide (H ₂ S) XS HC	0 - 100 ppm	1 ppm	6809180							X	1-Yr	3 Months	6 Months	100 ppm H ₂ S	N/A	
Nitrogen Dioxide (NO ₂) XS	0 - 50.0 ppm	0.1 ppm	6809155							X	1-Yr	3 Months	6 Months	5 or 10 ppm NO ₂	N/A	
Nitric Oxide (NO) XS	0 - 200 ppm	1 ppm	6809125							X	1-Yr	3 Months	6 Months	25 ppm NO	N/A	
Odorant XS	0 - 40.0 ppm	0.5 ppm	6809200							X	1-Yr	3 Months	6 Months	10 ppm MeM	N/A	
Organic Vapor (OV) XS	0 - 200 ppm	0.5 ppm	6809115							X	1-Yr	3 Months	6 Months	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	N/A	
Organic Vapor-A (OV-A) XS	0 - 100 ppm	0.5 ppm	6809522							X	1-Yr	3 Months	6 Months	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	N/A	
Oxygen (O ₂) XS	0 - 25% Vol.	0.1% Vol.	6809130							X	3-Yr	6 Months	12 Months	ambient air	N/A	
Oxygen (O ₂) XS-100	0 - 25% Vol.	0.1% Vol.	6809550							X	1-Yr	3 Months	6 Months	ambient air	N/A	Calibrate at altitude where being used
Phosgene (COCl ₂) XS	0 - 3.00 ppm	0.01 ppm	6808582							X	6-Mo	1 Month	3 Months	2 to 3 ppm COCl ₂	N/A	Calibration gas not sold by Draeger
Phosphine (PH ₃) XS HC	0 - 1,000 ppm	1 ppm	6809535							X	1-Yr	3 Months	6 Months	5 ppm PH ₃	N/A	
Sulfur Dioxide (SO ₂) XS	0 - 100 ppm	0.1 ppm	6809160							X	1-Yr	3 Months	6 Months	5 ppm SO ₂	N/A	
XS-2 DrägerSensor®																
Carbon Monoxide (CO) XS-2	0 - 2,000 ppm	1 ppm	6810365							X	2-Yr	6 Months	12 Months	100 ppm CO	N/A	
Hydrogen Sulfide (H ₂ S) XS-2	0 - 100 ppm	1 ppm	6810370							X	2-Yr	6 Months	12 Months	25 ppm H ₂ S	N/A	
Oxygen (O ₂) XS-2	0 - 25% Vol.	0.1% Vol.	6810375							X	2-Yr	6 Months	12 Months	ambient air	N/A	

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				Pac 35/5500	Pac 7000	X-am 5100	X-am 2500	X-am 5000	X-am 5600	X-am 7000	Warranty					
Cat Ex DrägerSensor®																
Smart Cat Ex HC PR	0 - 9,900 ppm 0 - 100% LEL 0 - 100% Vol.	200 ppm 1% LEL 0.02% Vol.	6812970							X	2-Yr	3 Months	6 Months	50% LEL CH4 50% Vol CH4	N/A	
Smart Cat Ex FR PR	0 - 9,900 ppm 0 - 100% LEL 0 - 100% Vol.	100 ppm 1% LEL 1% Vol.	6812975							X	1-Yr	3 Months	6 Months	50% LEL CH4 50% Vol CH4	N/A	
Smart Cat Ex PR	0 - 9,900 ppm 0 - 100% LEL 0 - 5% Vol.	100 ppm 1% LEL 0.01% Vol.	6812980							X	2-Yr	3 Months	6 Months	50% LEL CH4	N/A	
Cat Ex 125 PR	0 - 100% LEL 0 - 5.0% Vol. 5 - 100% Vol. ²	1% LEL 0.1%Vol. 1.0% Vol.	6812950				X	X			3-Yr	3 Months	6 Months	50% LEL CH4	50% LEL CH4	
Cat Ex 125 PR Mining (MSHA Approved)	0 - 5.0% Vol. 5 - 100% Vol. ²	0.1% Vol. 1.0% Vol.	6813080				X	X			2-Yr	3 Months	6 Months	2.5% Vol CH4	2.5% Vol CH4	
IR DrägerSensor®																
Smart IR-CO2	0 - 9,900 ppm 0 - 5.00% Vol.	100 ppm 0.01% Vol.	6810590							X	5-Yr	6 Months	12 Months	2.5% Vol CO2	N/A	
Smart IR-CO2 HC	0 - 9,900 ppm 0 - 100% Vol.	200 ppm 0.2% Vol.	6810599							X	5-Yr	6 Months	12 Months	20% Vol CO2	N/A	
Smart IR-Ex	0 - 9,900 ppm 0 - 100% LEL 0 - 100% Vol.	100 ppm 1% LEL 1% Vol.	6810460							X	5-Yr	6 Months	12 Months	50% LEL CH4	N/A	
Dual IR-Ex/CO ₂	0 - 100%LEL 0 - 100% Vol. 0 - 5.00% Vol. CO ₂	1% LEL 0.1% Vol. 0.02%Vol.	6811960						X		5-Yr	6 Months	12 Months	50% LEL CH4 2.5% Vol CO2	50% LEL CH4 2.5% Vol CO2	N2 required for CO2 zero calibration
IR-Ex	0 - 100% LEL 0 - 100% Vol.	1% LEL 0.1% Vol.	6812180						X		5-Yr	6 Months	12 Months	50% LEL CH4	50% LEL CH4	
IR-CO ₂	0 - 9,900 ppm 0 - 5.00% Vol.	50 ppm 0.02% Vol.	6812190						X		5-Yr	6 Months	12 Months	2.5% Vol CO2	2.5% Vol CO2	N2 required for zero calibration
PID DrägerSensor®																
Smart PID (warranty on sensor only, not lamp)	0 - 5,000 ppm	1 ppm	8319100							X	2-Yr	1 Month	3 Months	100 ppm Isobutylene	N/A	
Replacement PID Lamp, 10.6eV			8319110							X	1-Yr					

Notes:

- 1- 5 yr warranty in New X-am 2500 only
- 2- 0-100%Vol range only when selected