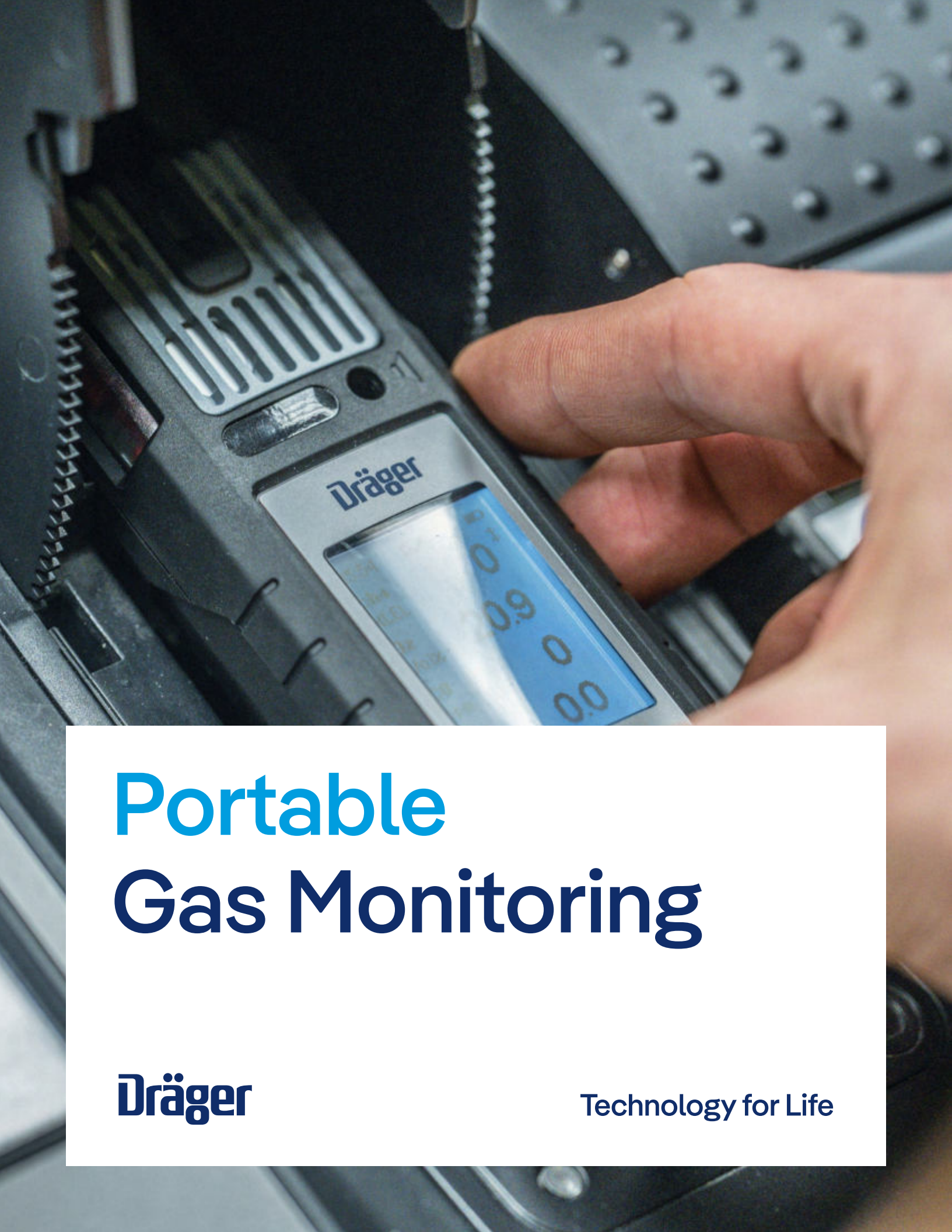




Portable Gas Monitoring

Dräger

Technology for Life

Pac® Diffusion Single & Dual Gas Monitors

IP 68 Rated | Event Logger | 24 Month Battery

Pac® 6000 - Single Gas (Life limited to 2 yrs)



CO

PN: 8326369
0-2000 ppm
35 / 50 ppm alarms
Cal Gas 4594655



H₂S

PN: 8326368
0-100 ppm
10 / 15 ppm alarms
Cal Gas 4594655



O₂

PN: 8327612
0-25 vol %
19.5 / 23.5 Vol % alarms
Cal Gas 4594655



SO₂

PN: 8328273
0-100 ppm
0.5 / 1 ppm alarms
Cal Gas 4594961



Bluetooth capable,
must be specified at
time of order

Pac® 6500 - Single Gas



CO

PN: 8327614
0-2,000 ppm
35 / 50 ppm alarms
Cal Gas 4594655



H₂S

PN: 8327613
0-100 ppm
10 / 15 ppm alarms
Cal Gas 4594655



O₂

PN: 8327616
0-25 vol %
19.5 / 23.5 Vol % alarms
Cal Gas 4594655



SO₂

PN: 8328274
0-100 ppm
0.5 / 1 ppm alarms
Cal Gas 4594961

Pac® 8500 - Dual Gas



O₂/CO - LC

PN: 8328265
0-25 % Vol O₂
19.5 / 23.5 Vol% alarms
0-2000 ppm CO
35 / 50 ppm alarms



H₂S/CO - LC

PN: 8328263
0-100 ppm HS₂
0.1 / 0.2 ppm alarms
0-2000 ppm CO
35 / 50 ppm alarms



CO-H Compensated

PN: 8327617
0-2000 ppm
30 / 50 ppm alarms

Pac® Accessories

Pac® 6x00



Dust Filter Sensor Grill

PN: 8326853 (4 pcs)
PN: 8326857 (40 pcs)

* Special Tygon® tubing is required for calibration.

** CC Vision is required to program to CLO₂

Pac® Diffusion Single Exotic Gas Monitors

IP 68 Rated | Event Logger | 24 Month Battery

Pac® 8000 - Exotic Single Gas



NO₂

PN: 8326350

0-50 ppm

25 / 50 ppm alarms

Cal Gas 4595193



CO₂

PN: 8326351

0-5 Vol %

0.5 / 1 Vol % alarms

Cal Gas 4595193



Cl₂ & ClO₂**

PN: 8326352

0-20 ppm

0.5 / 1 ppm alarms

Cal Gas 4597194*



HCN

PN: 8328276

0-50 ppm

2.5 / 4.5 ppm alarms



NH₃

PN: 8328277

0-300 ppm

25 / 50 ppm alarms*



PH₃

PN: 8326355

0-20 ppm

0.1 / 0.2 ppm alarms



OV

PN: 8326356

0-200 ppm

10 / 20 ppm alarms



OV-A

PN: 8326357

0-200 ppm

10 / 20 ppm alarms



NO₂

PN: 8328275

0-50 ppm

2.5 / 4.5 ppm alarms



Ozone

PN: 8326359

0-10 ppm

0.1 / 0.2 ppm alarms



Battery PN: 8326856

- Interchangeable 3.6V Lithium "AA" battery
- After a battery change, sensor warming time applies.



**Water & Dust Filter
Sensor Grill**

PN: 8326852 (4 pcs)

PN: 8326859 (40 pcs)

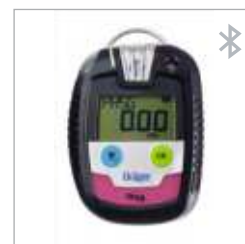


Comm. Cradle

PN: 8318587

For Data, Sensor
Swaps, and updates.

NOTE: Free CC Vision
download required, scan
Software SQ code.



Phosgene

PN: 8326360

0-10 ppm

0.1 / 0.2 ppm alarms

X-am® Single & Multi Gas Monitors

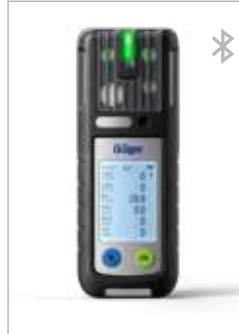
IP 68 Rated | Data/Event logger

X-am® 2800 – Standard 4-gas



CH₄, O₂, CO, H₂S
PN: NA11350
This part number includes the battery and charger.
12-16 Hour Battery

X-am® 5800 – Configurable 5-gas



CH₄, O₂, CO, H₂S
PN: 3703850
12-16 Hour Battery

Pump (PN: 8327115) and charger (PN: 8320333) sold separately

Part No.	Gases
VN 00800	CatEx, H ₂ S/CO-LC, O ₂
VN 00801	CatEx, H ₂ S/CO-LC, HCN, O ₂ PR
VN 00802	CatEx, H ₂ S/CO-LC, SO ₂ , O ₂

X-am® 5100 – Exotic single gas



PN: 8322750
Base Unit

H₂ O₂ X-am® 5100
with battery charging set 2.0 - PN VN 000148

H₂ O₂ Sensor only
PN: 6809170
– Hydrogen Peroxide

HF/HCl X-am® 5100
with battery and charging set 2.0 - PN VN 000146

HF/HCl Sensor only
PN: 6809140

- Hydrogen Chloride
- Hydron Bromide
- Hydrogen Fluoride
- Nitric Acid
- Phosph. Oxychloride
- Phosph. Trichloride

N₂H₄ Sensor only
PN: 6809190
– Hydrazine



Calibration Adapter for X-am® 5100
PN: 6806291 and Regulator 500 ML/min
PN: 4557020



X-zone® Cover for X-am® 5100
PN: 8323938

X-am® 8000 – PID/IR/CatEx 7-gas



16-24 Hour Battery

Config.	Part No.	Gases
1	VN 00134	LEL/CatEx, CO/H ₂ S, O ₂ , NH ₃
2	VN 00135	LEL/CatEx, CO/H ₂ S, O ₂ , Cl ₂
3	VN 00136	PID HC, LEL/CatEx, CO, O ₂ , H ₂ S
4	VN 00137	LEL/CatEx, CO-H ₂ , O ₂
5	VN 00138	PID HC, LEL/CatEx, CO/H ₂ S, O ₂
6	VN 00139	PID HC, LEL/IR, O ₂ , H ₂ S, CO
7	VN 00140	PID HC, EX/CO ₂ , CO, O ₂ , HCN
8	VN 00141	LEL/CatEx, H ₂ S/O ₂ , CO, H ₂
9	VN 00142	PID HC, LEL/CatEx, CO/H ₂ S, O ₂ , HCN
10	VN 00143	PID HC, LEL/CatEx, CO/O ₂ , H ₂ S, CO ₂
11	VN 00144	LEL/IR, H ₂ -HC, CO
12	VN 00145	PID HC, LEL/CatEx, O ₂ , CO, H ₂ S
13	VN 00401	PID HC, LEL/CatEx, O ₂ , H ₂ S-LC/CO-LC, HCN
14	VN 00483	PID LC ppb, LEL/CatEx, CO-LC, H ₂ S-LC, O ₂

✱ Bluetooth capable

Selective GC/PID Multi Gas Monitor

IP 54 Rated | Event Logger | 8+ Hour Battery

X-pid® 9500/9500+ – Gas Chromatograph



PID + GC Gas Measurement Device

PN: 6851848

Detects over 60 compounds using a combination of PID + GC technology:

- Acetone
- Benzene
- Butadiene, 1,3-
- Ethanol
- Hexane
- Methyl bromide
- Phosphine
- Toluene
- Vinyl chloride
- Xylene

...and many more

Perimeter Monitoring



X- zone® 5800

PN: 8329040

with integrated pump,
915 MHz, 24 Ah battery
with diffusion and
pump cap

Compatible with:

X-am® 5000

X-am® 5600

X-am® 5100

(diffusion only)



Power Plug

PN: 8320749

(sold separately)



Inductive Charger

Power PN: 8322076

(sold separately)

X-am® Charging Accessories



1-Device Charging Cable

PN: 8316997



5-Device Charging Cable

PN: 8316994



X-am® 8000 Adapter to link chargers

PN: 8325736 +

Power cord

PN: 8321850



X-am® Standard Battery Charge Kit

PN: 8320333



X-am® 8000 Inductive Charger

PN: 8325825

Bump & Calibration X-dock® Station

1 X-dock® Base



6300 Master
(3 gas inlets)
PN: 8321900



6600 Master
(6 gas inlets)
PN: 8321901



**100-240V, 24V DC,
1.25A**
Powers up to 3
modules.
PN: 8321849



**100-240V, 24V DC,
6.25A**
Powers up to 10
modules.
PN: 8321850

3 X-dock® Module



Pac® Module
PN: 8321892



**X-am® 2x00, 5x00
Module**
PN: 8321890



**X-am® 2x00, 5x00
Charging Module+**
PN: 8321891



**X-am® 3500, 8000
Module**
PN: 8321893



**X-am® 3500, 8000
Charging Module+**
PN: 8321894

4 X-dock® Pressure Regulator



Pressure Regulator
PN: 8324250



**Stainless Steel
Pressure Regulator**
for exotic gases
PN: 8324252
**Required for chlorine
& ammonia gases**

5 X-dock® Sampling Hose



**FKM Tubing
(not for Cl₂)**
PN: 4594112 (5 ft)
PN: 4594114 (20 ft)



Tygon® PTFE Lined
PN: 8326980 (9 ft)
Required for chlorine & ammonia gases



PTFE Hose Connector
PN: 8324098

Both required

Accessories

Multi-gas



Float Only
PN: 6802337

Float Probe, 5cm hose+ conn 5mm
PN: 8327654



Water & Dust Filter set with 3mm/5mm hose connectors
PN: 8319364 (1 pcs)
PN: 3705997 (20 pcs)



Telescopic Probe ES 150, 59in
PN: 8316533



Pump adapter for X-am® 3500/8000
PN: 8326820
Includes dust and water filter with Luer connection



Pump for X-am® 2500/ 5000/5600/ 2800/5800
PN: 8327115
Includes USB charger, wall plug and shoulder

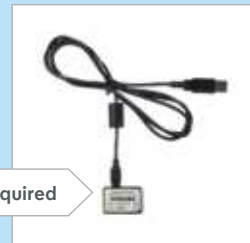


X-am® 2x00/5x00 Confined Space Entry Kit
PN: 8327117
Includes pump, usb cable, wall plug, 16' FKM hose, float probe, dust & water filter, shoulder strap, & carry case

Communication



X-am® Communication Cradle
PN: 8318752



USB-IR Com Dongle
PN: 8317409
For Data, Sensor Swaps, and updates.
PN: 8325859 - X-am® 8000 Rubber Boot sold separate

Both required

X-am® Replacement Battery



2500/5000/5600 2800/5800
PN: 3703887



3500/8000
PN: 8326817

Bump Test



Pac® Bump Test Station PN: 8317410



X-am® Bump Test Station PN: 8319131

• Calibration Gas **NOT** included

Sensor Compatibility

Sensor Description	Measuring Range	Accuracy (% of measured volume)	Resolution	Part No.	Pac® 60/6500	Pac® 8000
XS DrägerSensor®						
Hydrazine (N ₂ H ₄) XS N ₂ H ₄ (hydrazine) CH ₃ NH-NH ₂ (monomethyl hydrazine) (CH ₃) ₂ N-NH ₂ (dimethyl hydrazine)	Max 0 - 3.00 ppm 0 - 3.00 ppm 0 - 3.00 ppm 0 - 3.00 ppm	≤ ±5%	0.01 ppm	6809190		
Hydrogen Fluoride/Hydrogen Chloride (HF/HCl) XS HCl (hydrogen chloride) HNO ₃ (nitric acid) HBr (hydrogen bromide) POCl ₃ (phosphorous trichlorideoxide) PCl ₃ (phosphorous trichloride) HF (hydrogen fluoride)	Max 0 - 30.0 ppm 0 - 30.0 ppm 0 - 30.0 ppm 0 - 30.0 ppm 0 - 30.0 ppm 0 - 30.0 ppm 0 - 30.0 ppm	≤ ±15%	0.1 ppm	6809140		
Hydrogen Peroxide (H ₂ O ₂) XS	0 - 20.0 ppm	≤ ±10%	0.1 ppm	6809170		
XXS DrägerSensor®						
Amines XXS CH ₃ NH ₂ (methylamine) (CH ₃) ₂ NH (dimethylamine) CH ₃) ₃ N (trimethylamine) C ₂ H ₅ NH ₂ (ethylamine) (C ₂ H ₅) ₂ NH diethylamine) (C ₂ H ₅) ₃ N (triethylamine)	Std 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm	≤ ±5%	1 ppm	6812545		
Ammonia (NH ₃) XXS	0 - 300 PPM	≤ ±3%	1 ppm	6810888		■
Carbon Dioxide (CO ₂) XXS	0 - 7.0%	≤ ±20%	0.1% Vol.	6810889		■
Carbon Monoxide (CO) XXS ¹	0 - 2,000 ppm	≤ ±2%	2 ppm	6810882		
Carbon Monoxide Low Conc. (CO) XXS LC ¹	0 - 2,000 ppm	≤ ±2%	1 ppm	6813210	■	
Carbon Monoxide High Conc. (CO) XXS HC	0 - 10,000 ppm	≤ ±2%	5 ppm	6812010		
CO Hydrogen Compensated (CO-H ₂ CP) XXS	0 - 2,000 ppm	≤ ±2%	1 ppm	6811950		
CO-LC/H ₂ S-LC Dual Sensor XXS	0 - 2,000 ppm CO 0 - 100 ppm H ₂ S	H ₂ S: ≤ ± 5 %, CO: ≤ ± 2 %	1 ppm 0.1 ppm	6813280		
CO/H ₂ S Dual Sensor XXS	0 - 2,000 ppm CO 0 - 200 ppm H ₂ S	≤ ±2%	2 ppm 1 ppm	6811410		
Chlorine (Cl ₂) XXS Cl ₂ (chlorine) F ₂ (fluorine) Br ₂ (bromine) ClO ₂ (chlorine dioxide)	Std 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm	≤ ±2%	0.1 ppm	6810890		■
Hydrogen Cyanide (HCN) XXS	0 - 50 ppm	≤ ±5%	0.1 ppm	6810887		■
Hydrogen Cyanide (HCN) XXS PC	0 - 50 ppm	≤ ±5%	0.5 ppm	6813165		
Hydrogen High Conc. (H ₂) XXS HC	0 - 4% Vol.	≤ ±2%	0.1% Vol.	6812025		
Hydrogen Low Conc. (H ₂) XXS	0 - 2,000 ppm	≤ ±1%	5 ppm	6812370		
Hydrogen Sulfide High Conc. (H ₂ S) XXS HC	0 - 1,000 ppm	≤ ±2%	2 ppm	6812015		
Hydrogen Sulfide Low Conc. (H ₂ S) XXS LC ¹	0 - 100 ppm	≤ ±2%	0.1 ppm	6811525	■	

Pac® 8500	X-am® 5100	X-am® 2800	X-am® 5800	X-am® 8000	Warranty	Recomm. Cal Interval (months)	Max. Cal Interval (months)	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock®	Comments*
	■				1-Yr	3	6	DraegerService	N/A	Factory calibration
	■				1-Yr	12 Month	18	10 or 25 ppm HCl	N/A	SS Regulator, PTFE-lined hose (short as possible)
	■				1-Yr	3	6	10 ppm SO ₂	N/A	
			■	■	1-Yr	3	6	50 ppm NH ₃	50 ppm NH ₃	Use Tygon® tubing and Stainless-Steel Regulator
			■	■	1-Yr	3	6	50 ppm NH ₃	50 ppm NH ₃	Use Tygon® tubing and Stainless-Steel Regulator
			■	■	15-Mo	3	6	2.5% Vol CO ₂	2.5% Vol CO ₂	
				■	3-Yr	6	12	100 ppm CO	100 ppm CO	
		■	■	■	3-Yr	6	12	100 ppm CO	100 ppm CO	
			■	■	1-Yr	3	6	100 ppm CO	100 ppm CO	
■			■	■	1-Yr	6	12	100 ppm CO 500 ppm H ₂	100 ppm CO 500 ppm H ₂	
■			■	■	2-Yr	6	12	100 ppm CO 25 ppm H ₂ S	100 ppm CO 25 ppm H ₂ S	
				■	2-Yr	6	12	100 ppm CO 25 ppm H ₂ S	100 ppm CO 25 ppm H ₂ S	
			■	■	1-Yr	3	6	5 ppm Cl ₂	5 ppm Cl ₂	Use Stainless-Steel Regulator and PTFE-lined Tygon® tubing with 2ea. 8324098 X-dock® PTFE Hose Connector Sets for connection to X-dock®.
			■	■	2-Yr	3	6	10 ppm HCN	10 ppm HCN	
			■	■	1-Yr	3	6	10 ppm HCN	10 ppm HCN	
			■	■	1-Yr	3	6	2% Vol (50%LEL) H ₂	2% Vol (50%LEL) H ₂	Check on compatibility with CO or CO-H ₂ sensors
			■	■	1-Yr	3	6	500 ppm H ₂	500 ppm H ₂	
			■	■	1-Yr	3	6	100 ppm H ₂ S	100 ppm H ₂ S	
		■	■	■	3-Yr	6	12	25 ppm H ₂ S	25 ppm H ₂ S	

Sensor Description	Measuring Range	Accuracy (% of measured volume)	Resolution	Part No.	Pac® 60/6500	Pac® 8000
Nitrogen Dioxide (NO ₂) XXS	0 - 50 ppm	≤ ± 2%	0.1 ppm	6810884		■
Nitrogen Dioxide Low Conc. (NO ₂) XXS LC	0 - 50 ppm	≤ ± 3%	0.02 ppm	6812600		■
Nitrogen Oxide (NO) XXS	0 - 200 ppm	≤ ± 3%	1 ppm	6811545		■
Odorant (mercaptan) XXS THT (tetrahydrothiophene) (CH ₃) ₃ CSH (tert.-butyl mercaptane) C ₂ H ₅ CH(CH ₃)SH (sec.-butyl mercaptane) CH ₃ SH (methyl mercaptane) C ₂ H ₅ SH (ethyl mercaptane) (CH ₃) ₂ S (dimethyl sulphide) CH ₃ SSCH ₃ (dimethyldisulphid)	Std 0 - 40 ppm 0 - 40 ppm 0 - 40 ppm 0 - 40 ppm 0 - 40 ppm 0 - 40 ppm 0 - 100 ppm 0 - 40 ppm	≤ ± 3%	1 ppm	6812535		
Organic Vapor (OV) XXS C ₂ H ₄ O (ethylene oxide) C ₃ H ₆ O (propylene oxide) C ₂ H ₄ (ethene / ethylene) C ₃ H ₆ (propene) C ₂ H ₃ Cl (vinyl chloride) CH ₃ OH (methanol) CH ₂ CHCHCH ₂ (butadiene) HCHO (formaldehyde) (H ₃ C)2CHOH (iso-propanol) C ₄ H ₈ O (tetrahydrofuran) C ₂ H ₃ OCH ₂ Cl (1-chloro-2,3-epoxypropane) C ₆ H ₅ CHCH ₂ (styrene) H ₂ CC(CH ₃)COOCH ₃ (methyl methacrylate)	Std 0 - 200 ppm 0 - 200 ppm 0 - 200 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm 0 - 200 ppm 0 - 100 ppm 0 - 100 ppm 0 - 300 ppm 0 - 200 ppm 0 - 100 ppm 0 - 100 ppm 0 - 100 ppm	≤ ± 5%	0.5 ppm	6811530		■
Organic Vapor A (OV-A) XXS C ₂ H ₄ O (ethylene oxide) 2CCHCN (acrylonitrile) (CH ₃) ₂ CCCH ₂ (isobutene) CH ₃ COOC ₂ H ₅ (vinylacetate) C ₂ H ₅ OH (ethanol) CH ₃ CHO (acetaldehyde) (C ₂ H ₅) ₂ O (diethyl ether) C ₂ H ₂ (ethine / acetylene)	Std 0 - 200 ppm 0 - 200 ppm 0 - 100 ppm 0 - 300 ppm 0 - 100 ppm 0 - 300 ppm 0 - 200 ppm 0 - 200 ppm 0 - 100 ppm	≤ ± 20%	1 ppm	6811535		■
O ₂ /CO-LC Dual Sensor XXS	0 - 25% Vol O ₂ 0 - 2,000 ppm CO	O ₂ : ≤ ± 1%, CO: ≤ ± 2 %	0.1%Vol 1 ppm	6813275		
O ₂ /H ₂ S-LC	0 - 25% Vol O ₂ 0 - 100 ppm H ₂ S	O ₂ : ≤ ± 1%, H ₂ S: ≤ ± 5 %	0.1%Vol 0.1 ppm	6814137		
Oxygen (O ₂) XXS ¹	0 - 25% Vol.	≤ ± 1%	0.1% Vol.	6810881	■	
Oxygen (O ₂) XXS O2 100	0 - 100% Vol.	≤ ± 1%	0.5% Vol.	6812385		
Oxygen (O ₂) XXS PR	0 - 30% Vol.	≤ ± 1%	0.1% Vol.	6800530		
Ozone (O ₃) XXS	0 - 10 ppm	≤ ± 3%	0.01 ppm	6811540		■
Phosgene (COCl ₂) XXS	0 - 10 ppm	≤ ± 5%	0.01 ppm	6812005		■
Phosphine (PH ₃) XXS PH ₃ (phosphine) AsH ₃ (arsine) B ₂ H ₆ (diborane) SiH ₄ (silane)	Std 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm	≤ ± 2%	0.1 ppm	6810866		■
Phosphine High Conc. (PH ₃) XXS HC	0 - 1,000 ppm	≤ ± 2%	1 ppm	6812020		
Sulfur Dioxide (SO ₂) XXS	0 - 100 ppm	≤ ± 2%	0.1 ppm	6810885	■	

Pac® 8500	X-am® 5100	X-am® 2800	X-am® 5800	X-am® 8000	Warranty	Recomm. Cal Interval (months)	Max. Cal Interval (months)	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock®	Comments*
		■	■	■	1-Yr	3	6	5 or 10 ppm NO ₂	5 or 10 ppm NO ₂	
			■	■	1-Yr	3	6	5 ppm NO ₂	5 ppm NO ₂	
			■	■	1-Yr	3	6	25 ppm NO	25 ppm NO	
				■	1-Yr	3	6	10 ppm MeM	10 ppm MeM or 10 ppm THT	MeM available on X-dock® with ≥02.02.11 firmware
			■	■	1-Yr	3	6	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	Calibration gas capability controlled by sensor code
			■	■	1-Yr	3	6	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	10 ppm ETO or 100 ppm CO or 25 ppm Ethylene	Calibration gas capability controlled by sensor code
■			■	■	2-Yr	6	12	ambient air 100 ppm CO	ambient air 100 ppm CO	≤19% O ₂ required for bump test of O ₂ on X-dock®
■			■	■	2-Yr	6	12	ambient air 25 ppm H ₂ S	ambient air 25 ppm H ₂ S	≤19% O ₂ required for bump test of O ₂ on X-dock®
		■	■	■	3-Yr	6	12	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock®
			■	■	1-Yr	3	6	ambient air	ambient air	Calibrate at altitude where being used
		■	■	■	2-Yr	6	12	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock Order via configurator
			■	■	1-Yr	3	6	5 ppm NO ₂	5 ppm NO ₂	N ₂ required for zero calibration
			■	■	1-Yr	3	6	2 to 3 ppm COCl ₂	2 to 3 ppm COCl ₂	Calibration gas not sold by Draeger
			■	■	1-Yr	3	6	0.5 ppm PH ₃	0.5 ppm PH ₃	
			■	■	1-Yr	3	6	5 ppm PH ₃	5 ppm PH ₃	Not compatible with CatEx sensor
		■	■	■	2-Yr	3	6	5 ppm SO ₂	5 ppm SO ₂	Do not use H ₂ S/SO ₂ mixed gas on the X-dock®

					Pac® 60/6500	Pac® 8000
Sensor Description	Measuring Range	Accuracy (% of measured volume)	Resolution	Part No.		
Cat Ex DrägerSensor®						
Cat Ex 125 PR	0 - 100% LEL 0 - 5.0% Vol. 5 - 100% Vol. ^{2,3}	≤ ±1% of LEL	1% LEL 0.1% Vol. 1.0% Vol.	6812950		
Cat Ex 125 PR Mining/Gas (MSHA Approved)	0 - 5.0% Vol. 5 - 100% Vol. ^{2,3}	≤ ±1% of LEL	0.1% Vol. 1.0% Vol.	6813080		
CarEx 125 SR (Shock Resistant)	0 - 100% LEL 0 - 5.0% Vol. 0 - 100% Vol. ⁴	≤ ± 1% LEL at 50 % LEL	1% LEL 0.05% Vol 0.1% Vol	6851900		
IR DrägerSensor®						
Dual IR-Ex/CO ₂ HC	0 - 100%LEL 0 - 100% Vol. 0 - 100% Vol. CO ₂	≤ ±1.5% LEL methane at 50% LEL ≤ ±0.5 Vol.-% CO ₂ at 50 Vol.-%	1% LEL 0.1% Vol. 0.1% Vol.	6800276		
Dual IR-Ex/CO ₂ ES (replaces 6811960)	0 - 100%LEL 0 - 100% Vol. 0 - 5.00% Vol. CO ₂	≤ ±1.5% LEL methane at 50% LEL ≤ ±0.08 Vol.-% CO ₂ at 2.5 Vol.-%	1% LEL 0.1% Vol. 0.02% Vol.	6851880		
IR-Ex ES (replaces 6812180)	0 - 100% LEL 0 - 100% Vol.	≤ ±1.5% LEL methane at 50% LEL	1% LEL 0.1% Vol.	6851881		
IR-CO ₂ ES (replaces 6812190)	0 - 9,900 ppm 0 - 5.00% Vol.	≤ ±0.08 Vol.-% CO ₂ at 2.5 Vol.-%	50 ppm 0.02% Vol.	6851882		
PID DrägerSensor®						
PID HC	0.3 - 2000 ppm	at 100 ppm isobutylene: ≤ ± 2% at zero point: ≤ ± 0.3 ppm isobutylene	0-20 ppm - 100 ppb >20 ppm - 200 ppb >50 ppm - 500 ppb >100 ppm - 1 ppm >200 ppm - 2 ppm >500 ppm - 5 ppm >1000 - 10 ppm	6813475		
PID LC	0-10 ppm isobutylene 0.025-5 ppm ben- zene	at 5 ppm isobutylene: ≤ ± 2% at zero point: ≤ ± 0.05 ppm isobutylene	0-2 ppm - 10 ppb >2 ppm - 20 ppb >5 ppm - 50 ppb	6813500		

* Comments - FKM tubing is recommended for all sensors with the exception of chlorine, nitrogen dioxide and ammonia.
For chlorine, use the Teflon-lined Tygon® tubing and for nitrogen dioxide and ammonia use the Tygon® tubing.

1. From December 1st, 2018, 5-year warranty when sold as installed in an X-am® multi-gas monitor. 3-year for replacement sensors.
2. 0-100%Vol range in X-am® 5000 only when selected
3. Full Range mode in X-am® 8000
4. Full Range mode in X-am® 5800

Pac® 8500	X-am® 5100	X-am® 2800	X-am® 5800	X-am® 8000	Warranty	Recomm. Cal Interval (months)	Max. Cal Interval (months)	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock®	Comments*
				■	3-Yr	3	6	50% LEL CH ₄	50% LEL CH ₄	
				■	3-Yr	3	6	2.5% Vol CH ₄	2.5% Vol CH ₄	“ch4L” mode in X-am® 8000 for 50 to 50,000 ppm range for Method 21 type testing
		■	■		3-Yr	3	6	2.5% Vol CH ₄	2.5% Vol CH ₄	
				■	5-Yr	6	12	50% LEL CH ₄ 50% Vol CH ₄ 50% Vol CO ₂	50% LEL CH ₄ 50% Vol CH ₄ 50% Vol CO ₂	X-am® 8000 Only - Must be installed in HPP 1 - No PID sensor can be installed at the same time.
				■	5-Yr	6	12	50% LEL CH ₄ 50% Vol CH ₄ 2.5% Vol CO ₂	50% LEL CH ₄ 50% Vol CH ₄ 2.5% Vol CO ₂	N ₂ required for CO ₂ zero calibration 0 - 9,900 ppm in X-am® 5600 0 - 50,000 ppm range in X-am 8000
				■	5-Yr	6	12	50% LEL CH ₄	50% LEL CH ₄	Can be configured for 2 ranges/gases via CC-Vision
				■	5-Yr	6	12	2.5% Vol CO ₂	2.5% Vol CO ₂	N ₂ required for CO ₂ zero calibration 0 - 50,000 ppm range in X-am® 8000
				■	1-Yr	1	12	100 ppm isobutylene	100 ppm isobutylene	Use with benzene scrubber tube for benzene specific readings up to 100 ppm (01/2021).
				■	1-Yr	Each use	N/A	5 ppm isobutylene	5 ppm isobutylene	Requires zero air or N ₂ for zero calibration. 30 minute warm up time, if not stored on charger. Use with benzene scrubber tube for benzene specific readings up to 100 ppm (01/2021).

Sensors

Part No.	Sensor
6813500	 DrägerSensor PID-LC ppb (0.03 – 10 ppm isobutylene)
6813475	 DrägerSensor PID-HC (0-2000 ppm isobutylene)
6812950	 DrägerSensor CatEx 125 PR 0-100 % LEL or 0-100 % by vol. CH ₄
6813080	 DrägerSensor CatEx 125 PR- Gas 0-100 % LEL or 0-100 % by vol. CH ₄
6851880	 DrägerSensor Dual IR Ex/CO₂ ES 0 – 100 % by vol. CH ₄ 0 – 100 % LEL 0 – 5 % by vol. CO ₂
6851881	 DrägerSensor IR Ex ES 0 – 100 % by vol. CH ₄ 0 – 100 % LEL
6851882	 DrägerSensor IR CO₂ ES 0 – 5 % by vol. CO ₂
6851900	 DrägerSensor CatEx 125 SR 0-100 % LEL or 0-100 % by vol.
6800276	 DrägerSensor Dual IR Ex/CO₂ HC 0 – 100 % by vol. CH ₄ 0 – 100 % LEL 0 – 100 % by vol. CO ₂
6810881	 DrägerSensor XXS O₂ 0 – 25 % by vol. O ₂
6800530	 DrägerSensor XXS O₂ PR 0 – 30 % by Vol. O ₂

Part No.	Sensor
6812385	 DrägerSensor XXS O₂ 100 0 – 100 % by vol. O ₂
6812010	 DrägerSensor XXS CO HC 0 – 10000 ppm CO
6813210	 DrägerSensor XXS CO LC 0 – 2000 ppm
6811950	 DrägerSensor XXS CO H₂- CP 0-2000 ppm CO (hydrogen compensated)
6810889	 DrägerSensor XXS CO₂ 0 – 5 % by vol. CO ₂
6811525	 DrägerSensor XXS H₂S LC 0- 100 ppm H ₂ S
6812015	 DrägerSensor XXS H₂S HC 0 – 1000 ppm H ₂ S
6810888	 DrägerSensor XXS NH₃ 0 – 300 ppm NH ₃
6810890	 DrägerSensor XXS Cl₂ 0 – 20 ppm Cl ₂
6810887	 DrägerSensor XXS HCN 0 – 50 ppm HCN
6813165	 DrägerSensor XXS HCN PC 0 – 50 ppm HCN

Part No.	Sensor
6811545	 DrägerSensor XXS NO 0 – 200 ppm NO
6810884	 DrägerSensor XXS NO₂ 0 – 50 ppm NO ₂
6812600	 DrägerSensor XXS NO₂ LC 0 – 50 ppm NO ₂
6810886	 DrägerSensor XXS PH₃ 0 – 20 ppm PH ₃
6812020	 DrägerSensor XXS PH₃ HC 0 – 2000 ppm PH ₃
6810885	 DrägerSensor XXS SO₂* 0 – 100 ppm SO ₂
6811530	 DrägerSensor XXS OV 0 – 200 ppm EO
6811535	 DrägerSensor XXS OV-A 0 – 200 ppm EO
6812025	 DrägerSensor XXS H₂ HC 0 – 4 % by vol. H ₂
6812370	 DrägerSensor XXS H₂ 0 – 2000 ppm H ₂
6812535	 DrägerSensor XXS Odorant 0 – 40 ppm THT

Part No.	Sensor
6811540	 DrägerSensor XXS Ozone 0 – 10 ppm O ₃
6813275	 DrägerSensor XXS CO LC / O₂ 0 – 2000 ppm CO 0 – 25 % by vol. O ₂
6813280	 DrägerSensor XXS CO LC / H₂S LC 0 – 2000 ppm CO 0 – 100 ppm H ₂ S
6814137	 DrägerSensor XXS O₂ / H₂S LC 0 – 25 % by vol. O ₂ 0 – 100 ppm H ₂ S

*If you are using this sensor with H₂S, you will need a KX filter (part no. 6811344) over the sensor.

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