



XPS-7II Portable Electrochemical Gas Detector

DOD Technologies

The XPS-7II Portable Electrochemical Gas Detector offers reliable, calibrated gas detection to meet a wide range of applications. Detect various toxic gases using simple 'plug-and-play' sensors that allow you to quickly adjust to identify your target gas.

Small and lightweight, the XPS-7II features a large LCD display. It utilizes dry alkaline batteries or can be connected to an optional AC power supply. The innovative alarm changes speed as a change in gas concentration is detected.

The XPS-7II is an excellent option for detecting NF3 in semiconductor plants. Simply insert a compatible NF3 Sensor to begin without the need for additional equipment. Sensors are field-replaceable to further reduce maintenance.



Optional XPS-7 Sensor Stocker
(Stores up to 9 sensors)

EMERGENCY



RESPONSE

EASILY



PORTABLE

LONG



BATTERY LIFE

SAMPLE



WAND



Features & Benefits

FEATURES	BENEFITS
Calibrated gas sensor unit	Can be replaced on-site, reducing maintenance
NF3 detection	Portable solution without additional equipment
Large LCD	Simplified gas monitoring
Dual power supply	Alkaline batteries or optional AC power supply
Smaller Footprint	Install into existing layouts much easier
Small and lightweight	Easily portable for ultimate flexibility
Innovative alarm	Speed adjust based on gas concentration level

Detectable Gases

Sensor Model	Detectable Gas		F.S.	Alarm Setting	
				1st Stage	2nd Stage
XDS-7NH	NH3	Ammonia	100ppm	12ppm	25ppm
XDS-7AH	AsH3	Arsine	250ppb	25ppb	50ppb
XDS-7CO	CO	Carbon Monoxide	250ppm	12.5ppm	25ppm
XDS-7CL	Cl2	Chlorine	5ppm	0.25ppm	0.5ppm
XDS-7CF	ClF3	Chlorine Trifluoride	1ppm	0.05ppm	0.1ppm
XDS-7BH	B2H6	Diborane	500ppb	50ppb	100ppb
XDS-7DC	SiH2Cl2	Dichlorosilane	25ppm	2.5ppm	5ppm
XDS-7D5	Si2H6	Disilane	25ppm	2.5ppm	5ppm
XDS-7F2	F2	Fluorine	5ppm	0.5ppm	1ppm
XDS-7GH	GeH4	Germane	1ppm	0.1ppm	0.2ppm
XDS-7HB	HBr	Hydrogen Bromide	10ppm	1.5ppm	3ppm
XDS-7HC	HCl	Hydrogen Chloride	25ppm	2.5ppm	5ppm
XDS-7HF	HF	Hydrogen Fluoride	10ppm	1.5ppm	3ppm
XDS-7SE	H2Se	Hydrogen Selenide	250ppb	25ppb	50ppb
XDS-7HS	H2S	Hydrogen Sulfide	50ppm	5ppm	10ppm
XDS-7NF	NF3	Nitrogen Trifluoride	100ppm	5ppm	10ppm
XDS-7NF	NO2	Nitrogen Dioxide	100ppm	1ppm	2ppm
XDS-7NO	NO	Nitrogen Monoxide	100ppm	12ppm	25ppm
XDS-7OZ	O3	Ozone	1ppm	0.05ppm	0.1ppm
XDS-7PH	PH3	Phosphine	1ppm	0.15ppm	0.3ppm
XDS-7PF	PF3	Phosphorus Trifluoride	1ppm	0.15ppm	0.3ppm
XDS-7SH	SiH4	Silane	25ppm	2.5ppm	5ppm
XDS-7SD	SO2	Sulfur Dioxide	10ppm	1ppm	2ppm



[Click here to view compatible XPS-7 Series replacement sensors.](#)





Specifications

Model / Detection Principle	XPS-7II
Detection Principle	Electochemical, Electrochemical + pyrolyzer
Target Gas	See sensor options under Detectable Gases
Sampling Method	Extractive
Measuring Range	As per delivery specifications
Accuracy *1	±10%F.S. except for XDS-7NF -30%F.S. to+ 10%F.S. for XDS-7NF
Response Time *1	T60: Less than 60 seconds
Display	Four-digit on LCD
Power Source	Alkaline AA battery x 4pcs or Dedicated 100-240VAC/6VDC adaptor (optional) *1
Continuous Operating Time *2	More than 12 hours except for XDS-7NF More than 8 hour for XDS-7NF, by alkaline AA batteries (Toshiba LR6AN) at 20° C with no gas alarm)
Operating Temperature and Humidity	32°F to +104°F / 0°C to +40°C, 30 to 85% RH
Compliance	CE (EMC: 2014/30/EU) *3
Dimensions	5.9"H x 2.4"W x 5"D (150mm x 62mm x 128mm)
Weight	2.9 lb. (1.3 kg)

*1. Under identical conditions.

*2. The operating time (battery life) may vary depending on environment and conditions of use, storage period, battery manufacturer etc.

*3. AC power adapter does not comply with CE marking.



REALIBILITY & SUPPORT

DOD Technologies is the global leader in low level gas detection systems and solutions. We understand the importance of keeping your business operational and know that that false alarms can cost millions of dollars in lost productivity.

We offer a comprehensive line of ChemLogic® gas detection products, engineered to an enhanced standard of accuracy and reliability. Our worldwide network of knowledgeable service engineers are also ready to assist you with a passion for gas detection. The DOD Technologies portfolio includes fixed systems, portable gas detectors, controllers, systems integrations and on-site field services.

For more information, or to order, please visit us at DODtec.com.



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