

## Draeger Pac III



SINCE 1937, WHEN WE INTRODUCED OUR FIRST DETECTOR TUBE, DRAEGER HAS BEEN THE WORLD LEADER IN THE DETECTION OF GASES AND VAPORS IN THE INDUSTRIAL WORKPLACE. OVER THE YEARS WE HAVE DEVELOPED MORE SENSORS AND DETECTION DEVICES FOR MORE APPLICATIONS THAN ANYONE ELSE! OUR LEADING EDGE TECHNOLOGY HAS KEPT US ON THE FOREFRONT OF ADVANCEMENTS IN ELECTROCHEMICAL SENSORS THUS PROVIDING THE MOST ACCURATE AND SPECIFIC RESULTS AVAILABLE.



Toughest, Loudest, Brightest, Smartest, Single Gas Instrument

### Pac III: The Most in a Single Gas Monitor

The Pac III Monitor delivers the most! The loudest audible alarm, the largest display, the easiest to use electronics, and the smartest sensors. All of these features are found in this small and rugged gas monitor. Using DrägerSensor® technology, the Pac III is the most versatile gas detection instrument because it can utilize any one of Dräger's 30+ intelligent sensors, and quickly switch between them in the field. The DrägerSensors® provide fast and accurate response to hazardous gas levels while the attention-getting alarms make sure you know the danger is present. The Pac III provides the most sensing and alarming capabilities of any single gas monitor in the industry today.

### Rugged Housing

Many gas-monitoring applications are also environmentally challenging. It is not uncommon to work in environments that are hot, cold, wet, dirty, or affected by corrosive gases. These extreme working environments, such as an offshore oil rig or an underground mine, put equipment to the test. The Pac III was designed to handle these tough conditions in stride, and it does! The metal plated ABS housing provides a light-weight package that is easy to wear, but can take a beating in the field.

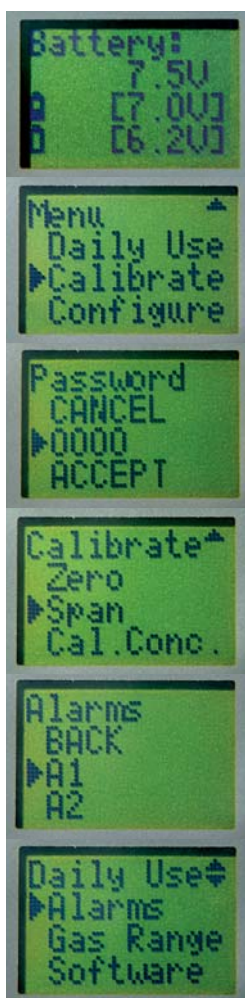
Regardless of accidental drops, unintentional bumps, or the occasional submersion in water, the Pac III is still ready to measure gas and sound its alarms. O-rings seal the housing from water or dust. The horn and sensor compartments are sealed against the elements too. The Pac III is ready for the most demanding applications.

### RFI Shielding

The shiny silver package is not just for looks. The chrome-plated housing provides superior resistance to potential Radio Frequency Interference (RFI). This means that you can use walkie-talkies in close proximity to the unit without causing false alarms.

In addition to protection against RFI, the metallic coating serves to protect the instrument against heat radiation; a valuable feature in the primary metals industries where high heat exposure is common. The Pac III instrument is fully protected against the environment so it can do its job, protecting those who wear it!

## Draeger Leading Detection



### Easy Operation

The Pac III is one tough little instrument, but very easy to operate. The three buttons on the front of the unit turn it ON, OFF, and access routinely needed data like battery levels. Operations like acknowledging alarms and activating the backlight are clearly marked. Implementing this instrument into your gas-monitoring program is a breeze.

### Operational Display

The large display constantly communicates information to the user. The gas concentration is continuously shown in large numbers for quick analysis of the situation. Below the concentration is the measurement unit (ppm or % Vol.) and the gas being measured (eg: CO, CL<sub>2</sub>, PH<sub>3</sub>, etc.). Alarm levels (eg: A1 or A2 characters) are also shown in the display. The bottom line of the display is reserved for special information characters. For example, a battery icon tells you when there is a low battery condition. All alarms and warnings are announced with an audible and visual signal and a display message or character. The Pac III communicates the information you want and need to know.

### Menu-Driven Functions

Functions such as calibration and alarm set points are adjusted through plain language menu commands. These functions are protected by a password to prevent accidental or unauthorized adjustment. In this mode, the three-buttons act as up, down, and enter buttons to navigate you through the menu. Operation of the Pac III is very intuitive.

### The Smartest Technology

The Hygiene version of the Pac III is available for any application that requires documentation and calculation of exposures against the TWA, STEL, or Ceiling values. The Pac III is able to record and store in excess of 125 hours @ 1 minute intervals of gas exposure. The averaging period is adjustable to extend the recording length, or shorten the averaging period for better resolution of quickly changing conditions.

The Pac III connects to your computer via a standard RS-232, 9-pin connector. This information is fed to Draeger's GasVision® Software. This Windows based program provides graphic, spread sheet, or combined analysis of the collected data. The integrated search engine allows you to recall stored data by the gas, date, or person you were monitoring. This makes data management an easy task.



## SENSOR SELECTION

The following table contains measurable gases, the corresponding sensor, the measuring range, and display resolution or display value.

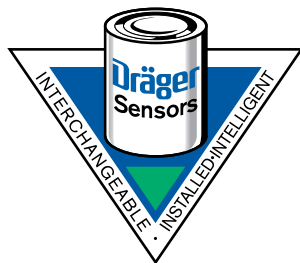
Gas	Max Range	Resolution	Part No.
Acetaldehyde	0-200 ppm	1 ppm	6809115
Acetylene	0-100 ppm	1 ppm	6809115
Acrylonitrile	0-100 ppm	0.1 ppm	6809522
Ammonia	0-300 ppm	1 ppm	6809045
Arsine	0-10.0 ppm	0.01 ppm	6809135
Bromine	0-20.0 ppm	0.01 ppm	6809165
Butadiene	0-100 ppm	1 ppm	6809115
Carbon Dioxide	0-5.00 % Vol.	0.1 % Vol.	6809175
Carbon Monoxide	0-2000 ppm	1 ppm	6809105
Carbon Monoxide	0-10,000 ppm	5 ppm	6809120
Chlorine	0-20.0 ppm	0.01 ppm	6809165
Chlorine Dioxide	0-20.0 ppm	0.01 ppm	6811360
Diborane	0-1.00 ppm	0.01 ppm	6809135
Diethylamine	0-100 ppm	1 ppm	6809545
Diethyl Ether	0-200 ppm	1 ppm	6809522
Dimethylamine	0-100 ppm	1 ppm	6809545
Dimethyl Sulfide	0-40.0 ppm	0.1 ppm	6809200
Ethanol	0-300 ppm	1 ppm	6809115
Ethylene	0-100 ppm	1 ppm	6809115
Ethylene Oxide	0-200 ppm	1 ppm	6809115
Formaldehyde	0-200 ppm	1 ppm	6809115
Fluorine	0-20.0 ppm	0.01 ppm	6809165
Germane	0-20.0 ppm	0.01 ppm	6809135
Hydrazine-D	0-3.00 ppm	0.01 ppm	6810295
Hydrogen	0-2000 ppm	1 ppm	6809185
Hydrogen	0-4.0 % Vol.	0.1 % Vol.	6811365
Hydrogen Chloride	0-30.0 ppm	0.1 ppm	6809140
Hydrogen Cyanide	0-50.0 ppm	0.1 ppm	6809150
Hydrogen Fluoride	0-30.0 ppm	0.1 ppm	6009140
Hydrogen Peroxide	0-20.0 ppm	0.1 ppm	6809170
Hydrogen Selenide	0-1.00 ppm	0.01 ppm	6809135
Hydrogen Sulfide	0-100 ppm	1 ppm	6809110
Hydrogen Sulfide	0-1000 ppm	1 ppm	6809180
Iso-Butene	0-300 ppm	1 ppm	6809522
Iso-Propyl Alcohol	0-300 ppm	1 ppm	6809115
Methanol	0-200 ppm	1 ppm	6809115
Methyl Amine	0-100 ppm	1 ppm	6809545
Nitric Oxide	0-100 ppm	1 ppm	6809125
Nitrogen Dioxide	0-50.0 ppm	0.1 ppm	6809155
Oxygen	0-25.0% Vol.	0.1 % Vol.	6809130
Oxygen	0-100% Vol.	0.5 % Vol.	6809550
Phosgene	0-3.00 ppm	0.01 ppm	6808582
Phosphine	0-10.0 ppm	0.01 ppm	6809135
Phosphine	0-1000 ppm	1 ppm	6809535
Propylene	0-100 ppm	1 ppm	6809115
Propylene Oxide	0-200 ppm	0.1 ppm	6809115
Silane	0-10.0 ppm	0.01 ppm	6809135
Styrene	0-100 ppm	1 ppm	6809522
Sulfur Dioxide	0-100 ppm	0.1 ppm	6809160
Tetrahydrothiophene	0-40.0 ppm	0.1 ppm	6809200
tert-Butyl Mercaptan	0-40.0 ppm	1 ppm	6809200
Triethylamine	0-100 ppm	1 ppm	6809545
Trimethylamine	0-100 ppm	1 ppm	6809545
Vinyl Acetate	0-100 ppm	1 ppm	6809115
Vinyl Chloride	0-100 ppm	1 ppm	6809115



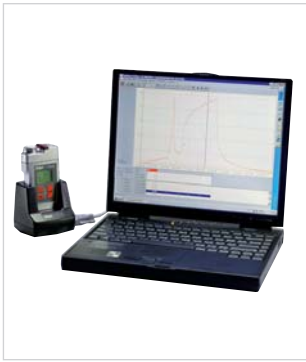
Dräger-Sensor® XS-R



Dräger-Sensor® XS-2







Computer Download Kit



Smart Pump



Leather Carrying Case

## SPECIFICATIONS

Dimensions	2.6 x 4.3 x 1.3" (67 x 116 x 32 mm)
Weight:	7.0 oz. (200g)
Environmental Conditions	Continuous; -4 to 122°F (-20 to 50°C) Intermittent; -40 to 132°F (-40 to 55°C)
Typical Battery Life (@ 77°F/25°C)	Alkaline; 600 hours NiMH; 200 hours
Audible Alarm	Peizo-electric buzzer, 95 dBA @ 1ft.
Visual Alarm	Two high intensity LED's
Warning Signals	A1, A2, TWA, STEL, and low battery (exposure alarms per ACGIH or TRGS 402)
Enclosure Rating	Ingress Protection, IP-66
Datalogger Capacity (Hygiene version)	>125 hours (with one-minute averages)
Approvals	UL Class I & II, Division 1, Groups A-G (T6) CSA Class I, Division 1, Groups A-D (T4) MSHA: Permissible Gas Monitor ATEX II I G EEx Ia II C T4 Demko O2 ATEX 0135331

## ORDER INFORMATION

Pac III Standard (accepts any sensor)	4530010
Pac III Hygiene (accepts any sensor)	4530011
Same functions as above unit but includes internal datalogger.	
Pac III Hygiene Kit	4530311
Includes all items needed to measure, record and transfer stored data to a PC	
Download and Software Kit	4530312
GasVision® PC Download Software	8314034
Smart Pump	8313832
Calibration Adapter	6806291
Leather Carrying Case, Hard	4530286
Leather Carrying Case, Soft	4530054
Hard Plastic Transport Case	4056442
Nylon Transport Case	4594631

Contact Draeger Safety for additional information.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.