

Dräger Pac[®] 5000 CO, H₂S, O₂



ST-6598-2004

Dräger Pac 5000 is the innovative single gas instrument for personal gas detection in work places with a continuous concentration display. The maintenance-free instrument will be used for the reliable monitoring of ambient air and gives a fast warning of harmful concentrations of carbon monoxide, hydrogen sulphide, or oxygen.



ST-5021-2004

Dräger Pac 5000:
Large concentration display.

Dräger Pac 5000 is tailor-made for numerous applications during daily work with the following features:

- Small and robust
- Easy to operate
- Large concentration display
- New sensor technology
- Bump test mode
- Adjustable operation timer
- Event Logger

The instrument was designed for long operation time without replacing the sensor. Using a PC with installed software, the IR interface enables the user to perform easy configuration, calibration, and downloading of the event logger.

Small and robust

Size and weight of Dräger Pac 5000 are perfect for personal monitoring. The housing of the small and ergonomic instrument is covered with rubber. The instrument meets the requirements of IP 65. An alligator clip provides secure attachment of the unit to the wearer.

Easy to operate

Once activated, the instrument can be used for over 2 years maintenance-free. With only two buttons the operation is

intuitive. To avoid misuse button function can be blocked. An easy to change lithium battery powers the instrument.

Concentration display

The large and language-independent display continuously shows the concentration with large digits. In case of an alarm or on a button press, the backlight provides a clear readout.

New sensor technology

The new Dräger XXS sensors react rapidly due to very fast electro-chemical reaction times and a very short diffusion path.

Bump test mode

Dräger Pac 5000 is equipped with a bump test mode. If it is necessary to check the calibration by performing a bump test a notice icon will light in the display. The bump test period can be adjusted by the user. The bump test can be performed manually or automatically. A Bump Test Station is available. The bump test adjustments can be activated using the PC software Pac Vision or CC Vision. The result of the bump test (passed or failed) will be stored in the event logger.

Adjustable operating timer

With this function, a specific operation period in days can be set, e. g. to adjust a “calibration due date”, an “inspection due date”, or a special “out of order date”. The adjustment can be done by PC with installed software Pac Vision or CC Vision.

Event Logger

Dräger Pac 5000 is equipped with an event logger. The event logger stores 60 events. If event no. 61 occurs, the logger overwrites the oldest stored event. For download of the stored data with date and time, a PC and the installed software Pac Vision, CC Vision or Gas Vision is used.

Depending on the selected configuration the pre- or main-alarm can be acknowledged.

Calibration and configuration

For calibration or individual configuration Dräger Pac 5000 will be connected to a PC using the connecting cradle or the E-Cal System. This combination and the installed software Pac Vision or CC-Vision enable the calibration and configuration of all instrument functions and the download of stored data.

For more information see www.draeger-safety.com/pac

DrägerSensors

New XXS Sensors react rapidly

Large display

All informations at a glance

Robust housing

Compact and rugged



Alarm- / Warning functions

Never worry about noticing alarms under noise or lighting conditions again! A vibrating alarm, an acoustic alarm and an optical alarm all react when the gas concentration exceeds the set alarm thresholds. For optimal alarm awareness, a two-tone-alarm is used. Before the end of the instrument's useable life and before the end of the battery capacity a warning will also occur.

ORDER INFORMATION

Description	Measuring Range	Alarm Threshold A 1	Alarm Threshold A 2	Order-Code
Dräger Pac 5000 CO	0 to 500 ppm	30 ppm	60 ppm	83 18 650
Dräger Pac 5000 CO	0 to 500 ppm	35 ppm	50 ppm	45 43 846
Dräger Pac 5000 CO	0 to 500 ppm	on customer request		83 18 653
Dräger Pac 5000 H ₂ S	0 to 100 ppm	10 ppm	20 ppm	83 18 651
Dräger Pac 5000 H ₂ S	0 to 100 ppm	10 ppm	20 ppm	45 43 847
Dräger Pac 5000 H ₂ S	0 to 100 ppm	on customer request		83 18 654
Dräger Pac 5000 O ₂	0 to 25 Vol.-%	19 Vol.-%	23 Vol.-%	83 18 652
Dräger Pac 5000 O ₂	0 to 25 Vol.-%	19.5 Vol.-%	23.5 Vol.-%	45 43 848
Dräger Pac 5000 O ₂	0 to 25 Vol.-%	on customer request		83 18 655

ACCESSORIES

Connecting Cradle, complete with USB cable and Pac Vision software	83 18 587
Lithium battery	45 43 808
Dust- and water filter	45 43 836
Leather carrying case	45 43 822
Bump Test Station, complete with test gas cylinder 58 L (gas type on customer request)	83 18 586
E-Cal instrument module for connection to a E-Cal Master Station or to Module Adapter	83 18 589



Dräger Pac 5000:
Long operating time.



Dräger Pac 5000:
Secure wearing,
easy to operate.

TECHNICAL DATA

Dimensions (H x W x D)	64 x 84 x 20 (battery compartment: 25) mm (2.5 x 3.3 x 0.8 in., battery compartment: 1 in.)	
Weight	106 g (3.8 oz.)	
Ambient conditions	Temperature	-30 to 50 °C (-20 to 120 °F)
	Pressure	700 to 1,300 hPa
	Humidity	10 to 90 % r. h.
Ingress protection	IP 65	
Display	Language-free LCD concentration display, indication of actual concentration, operating time, notice and warning functions	
Operating time (typical at 25 °C)	2 years	
Battery life (typical at 25 °C, 24 hours per day, 1 minute alarm per day)	CO, H ₂ S:	> 10,400 hours
	O ₂	> 3,600 hours
Acoustic alarm	Two-Tone-Alarm, typical > 90 dB (A), at a distance of 30 cm	
Approvals	CE-Sign	(89/336/EEC, 94/9/EC)
	ATEX	I/II 1/2 G EEx ia I/IIC, T4
	UL	Class I, Div 1, Group A, B, C, D, E, F, G, Temp. Code T4
	cUL	Class I, Div 1, Group A, B, C, D, E, F, G, Temp. Code T4



SUBSIDIARIES

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
Mt. Waverley, Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

FRANCE

Draeger Industrie S.A.S.
67025 Strasbourg Cedex
Tel +33 388 40 76 76
Fax +33 388 40 76 67

SINGAPORE

Draeger Safety Asia Pte. Ltd.
139950 Singapore
Tel +65 68 72 92 88
Fax +65 67 73 20 33

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth, Northumberland NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266

CANADA

Draeger Canada Ltd.
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

MEXICO

Draeger Safety S.A. de C.V.
Querétaro, Qro México
Tel +52 442 246 1113
Fax +52 442 246 1114

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

USA

Draeger Safety, Inc.
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

P. R. CHINA

Beijing Fortune Draeger
Safety Equipment Co., Ltd.
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

NETHERLANDS

Dräger Safety Nederland B.V.
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

SPAIN

Draeger Safety Hispania S.A.
28034 Madrid
Tel +34 91 358 02 44
Fax +34 91 729 48 99

Dräger Safety AG & Co. KGaA

Revalstrasse 1
23560 Luebeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
www.draeger-safety.com