

DrägerMan Bodyguard® II



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System Overview

DrägerMan Bodyguard® II - Tally
3550820

DrägerMan Bodyguard® II - Auto
3550821

DrägerMan Bodyguard® II and Hose - Tally
3551425

DrägerMan Bodyguard® II and Hose - Auto
3551426

DrägerMan Bodyguard® II Pneumatics Upgrade - Tally
3551427

DrägerMan Bodyguard® II Pneumatics Upgrade - Auto
3551428

Protective Lens Covers (Pack of 20)
3551566

Application Fluid (Dispenser)
(Pack of 4) 3510742

Application Fluid (XL Refill)
3510741

IR Link II Software CD Kit
3551542

TECHNICAL SPECIFICATIONS

Dimensions LxWxH	200x70x42mm (excluding whistle)
Weight	410g including battery
Battery	9 V Alkaline, 100 hrs normal life
Operating Temperature	- 50°C to +75°C (EN157, JCDD58 and NIOSH)
ADSU Main Alarm	102 to 112 dBA measured at 250mm (JCDD58 revision)
Unsecured Vibration	To NFPA 1982:1997
Flame Retardancy	To NFPA (self extinguishing 1000°C 10 s)

APPROVALS:

Breathing Apparatus	EN157, PrEN157
Distress Signal Unit	JCDD58
Intrinsic Safety	EN50014 - EEX ia IIC T4, EN50020 (Mining)-EEX ia I
Electromagnetic Compatibility	50 V/M, exceeds EN61000-6-2
Radiation Immunity	EN50082 2
Radiation Emissions	EN50081-1

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Dräger
ISO 9001
certified

The Quality Management system of Dräger Limited is certified per BS EN ISO 9001 as well as by numerous organisations in many different countries.

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Technology for Life **Dräger**

DrägerMan Bodyguard® II

Electronic Monitoring Unit

The Personal Safety System for Professionals



When it's a matter of life and death excellent equipment is not a luxury.

Draeger has a proud history of incorporating leading edge technology into its product range to exactly meet its customers' expectations. The DraegerMan Bodyguard® II is yet another example of this goal being achieved.

Building on the success of its first Bodyguard®, and after listening to its customers, Draeger have taken the technology a stage further to offer new levels of fire-ground safety and lead the way to the higher standards of the future.

The DraegerMan Bodyguard® II is a fully electronic monitoring unit for Compressed Air Breathing Apparatus.

It combines a host of previously separate warning and monitoring devices into a single instrument. This compact and lightweight lifesaver provides quick information with a clear and easy to understand display and controls.



Choice of Two Operating Modes

There are two operating modes: Tally, which supports full BA Entry Control procedures consistent with TB1/97 - UK Home Office; and Automatic, which simply requires the opening of the cylinder valve to achieve full operational status.

Easy Operation

Bodyguard® II is operated with large buttons which can be used even when wearing heavy gloves. The easy to read LCD pictogram display also has a backlight which can be illuminated in poor visibility conditions.

Two Independent Low Pressure Warning Signals

There are two completely Independent End of Service Time Indicators (EOSTI) consistent with NFPA 1982:1998:

- Visual warning with eye catching, powerful twin red warning lamps
- Innovative pneumatic whistle of 90 dBA



"Automatic Distress Signal"

There is an ADSU/PASS alarm and built in motion sensor, supporting JCDD58 and NFPA:1982.

Additional safety is provided with two further electronic low pressure warnings and two low battery warnings.

Versatility

Bodyguard® II is fully compatible with the rest of the Draeger PSS® range and 'Plus' pneumatics and can be tailored using the Draeger Bodyguard® IR Link II Software to match your requirements.

Using Bodyguard® II it is possible to upgrade to Telemetry, using the DraegerMan PSS® Merlin.

Constant Monitoring

The wearer receives continuous updates of pressure, temperature and remaining air time based on current air consumption, which is refreshed every second. Digital pressure is displayed in bar and the bargraph simulates analogue gauge status.

Draeger Bodyguard® IR Link II Software

This advanced software allows you to tailor the Bodyguard® II and get optimal use of its many features, for example:

- Datalogging up to 18 hours to allow post-incident analysis using a PC
- Change operating parameters eg. low pressure warnings, alarms, cylinder configuration and ADSU timing
- Switch between tally and automatic operation
- Personal Identification Number to allow identification of individual team members
- Motion sensor disablement without impairing any other functions
- Optional Alarm Cancellation in the event of PASS/ADSU accidental activation
- Upgrade to Telemetry operation, for use with Draeger's PSS® Merlin portable radio unit and electronic control board



- 1 DIGITAL PRESSURE READING
- 2 TIME TO WHISTLE DISPLAY
- 3 BACKLIGHT ILLUMINATION BUTTON
- 4 TEMPERATURE DISPLAY BUTTON
- 5 TALLY KEY (optional)
- 6 ADSU 'ACTIVE' LED
- 7 TWIN WARNING LIGHTS
- 8 PNEUMATIC WHISTLE
- 9 MANUAL DSU BUTTON



Bodyguard® II provides a level of safety which is second to none, offering:

- Choice of two operating modes
- Easy push-button operation
- Two independent visual and audible low pressure warning signals
- Automatic self tests and system tests
- Time to whistle indication
- Digital pressure display
- Temperature indication