

Dräger Bodyguard / H-1500

Integrated Personal Alert Safety System (PASS)

Dräger Bodyguard 1500® is an automatic wireless PASS system which increases wearer safety in potentially hazardous situations. The system draws attention to colleagues in distress by generating distinctive visual and acoustic alert signals and features wireless data transmission from the pressure gauge to the PASS device.



Enhanced Safety

The rugged Dräger Bodyguard 1500 personal alert safety system is designed for use by both professional and volunteer firefighters. During normal operation twin blue fascia LED's show the position of the wearer – even in conditions of poor visibility. The backlit Tx Gauge wirelessly transmits its pressure data to the PASS device and also to the Dräger FPS 7000 Head-Up-Display if being used. This feature provides automatic visual notification from the Tx Gauge and acoustic notification from the PASS when the air supply drops below user-defined limits, such as 2/3 or 1/3. If the pressure drops below 56 bar, the PASS device emits a warning signal. The backlight of the Tx Gauge begins to flash a visual alert. Should a firefighter remain motionless for more than 20 seconds, a pre-alert sounds. If this pre-alert is not cancelled by the user, the full alert (distinctive acoustic and visual alarms) is activated, letting other members of the team know that a fellow firefighter is in distress.

Wireless Operation

Following an initial pairing procedure, a single Tx Gauge is uniquely paired to a Bodyguard 1500 PASS device. When the cylinder valve of the SCBA is opened, the Tx Gauge automatically sends a wakeup signal to the paired PASS device ensuring that it is activated before the firefighter enters the hazardous zone. Advanced wireless technology reduces the need for additional cables or wires, reducing potential snagging hazards.

Durable Design

The Bodyguard 1500 system is robust and lightweight, capable of withstanding adverse environmental conditions such as heat and smoke commonly encountered by fire rescue teams. It is IP 67 rated for dust and water resistance as well as complying with the requirements of EN 137:2006 (type 2) for use in temperatures ranging from -30 °C up to 60 °C. The PASS device is supplied with both a clamp and a crocodile clip so that it can be worn at either the shoulder or the waist of the wearer. Large buttons make operation easy, even with gloved hands. Dräger Bodyguard 1500 has been designed with battery logistics very much in mind, to give up to 12 months of use before replacements are needed, enabling change-over during annual service resulting in minimised downtime.

Flexibility for the Future

The Dräger Bodyguard 1500 PASS unit can also be used as a standalone personal alert safety system without the Tx Gauge. Alternatively, upgrade kits are available which let you install Tx Gauges onto your existing SCBAs of the Plus and PSS series.

Datalog Of Incident History And Personalised Settings

The PASS device and the Tx Gauge both come with full data log functionality allowing downloads of incident history and the configuration of individual motion sensor timings using the Dräger RFID PC Link Module and a PC.