






Product Family QUIETPRO QP100Ex

Intelligent Hearing Protection and Communication System for Industry (Intrinsically Safe)



Product Numbers & Ordering Information

Product Numbers	Details
 1030902	QP100Ex PACK A(English / Norwegian) QP100Ex Control Unit, In-Ear Headset - PSEM / DOSE capable (#1030853) 4 Pairs Foam ProTIP LS Eartips (S, M, L, XL) Strap Mounting Plate (P/N 1030870) Universal Strap Bracket (#1030869) Battery Charger (worldwide voltage / electrical plugs) (#1030865) Instruction Manual, Quick Reference Guide, Getting Started Guide Equipment Carry Bag (#1031325) Interface Cable PORT 1 (for Motorola Adapter PMLN5679 (GP340Ex and GP380Ex) ProTIP LS Eartip Starter Pack (200 pairs / 50 pairs each S, M, L, XL) (#1034125) Voice Menu Language: English and Norwegian
 1030835	QP100Ex KIT A(English / Norwegian) QP100Ex Control Unit, In-Ear Headset - PSEM / DOSE capable (#1030853) 4 Pairs Foam ProTIP LS Eartips (S, M, L, XL) Strap Mounting Plate (#1030870) Universal Strap Bracket (#1030869) Battery Charger (worldwide voltage / electrical plugs) (#1030865) Instruction Manual, Quick Reference Guide, Getting Started Guide Equipment Carry Bag (#1031325) Voice Menu Language: English and Norwegian **DOES NOT INCLUDE RADIO INTERFACE CABLE
 1030820	QP100Ex Control Unit A(English / Norwegian) QP100Ex Control Unit Battery Charger (worldwide voltage / electrical plugs) (#1030865) Voice Menu Language: English and Norwegian **DOES NOT INCLUDE RADIO INTERFACE CABLE OR ACCESSORIES



1030905

QP100Ex PACK B(English only)

QP100Ex Control Unit, In-Ear Headset - PSEM / DOSE capable (#1030853) 4 Pairs Foam ProTIP LS Eartips (S, M, L, XL) Strap Mounting Plate (P/N 1030870) Universal Strap Bracket (#1030869) Battery Charger (worldwide voltage / electrical plugs) (#1030865) Instruction Manual, Quick Reference Guide, Getting Started Guide Equipment Carry Bag (#1031325) Interface Cable PORT 1 (for Motorola Adapter PMLN5679 (GP340Ex and GP380Ex) ProTIP LS Eartip Starter Pack (200 pairs / 50 pairs each S, M, L, XL) (#1034125) Voice Menu Language: English only



1030836

QP100Ex KIT B(English only)

QP100Ex Control Unit, In-Ear Headset - PSEM / DOSE capable (#1030853) 4 Pairs Foam ProTIP LS Eartips (S, M, L, XL) Strap Mounting Plate (#1030870) Universal Strap Bracket (#1030869) Battery Charger (worldwide voltage / electrical plugs) (#1030865) Instruction Manual, Quick Reference Guide, Getting Started Guide Equipment Carry Bag (#1031325) Voice Menu Language: English**DOES NOT INCLUDE RADIO INTERFACE CABLE



1030821

QP100Ex Control Unit B(English only)

QP100Ex Control Unit Battery Charger (worldwide voltage / electrical plugs) (#1030865) Voice Menu Language: English only**DOES NOT INCLUDE RADIO INTERFACE CABLE OR ACCESSORIES



1030903

QP100Ex PACK C(English only)

QP100Ex Control Unit, In-Ear Headset - PSEM / DOSE capable (#1030853) 4 Pairs Foam ProTIP LS Eartips (S, M, L, XL) Strap Mounting Plate (P/N 1030870) Universal Strap Bracket (#1030869) Battery Charger (worldwide voltage / electrical plugs) (#1030865) Instruction Manual, Quick Reference Guide, Getting Started Guide Equipment Carry Bag (#1031325) Interface Cable PORT 1 (for Motorola Adapter PMLN5679 (GP340Ex and GP380Ex) ProTIP LS Eartip Starter Pack (200 pairs / 50 pairs each S, M, L, XL) (#1034125) Voice Menu Language: English only

Overview

Key Features

Connect and protect: Life-critical communication and smart, verifiable hearing protection

For workers in high-noise environments, reliable communication and safety are life-critical necessities.

Workers need protection against damage to their hearing, and in high noise environments, noise-induced hearing loss can be a real problem. Protection alone is not enough. They also need to hear in that environment, to remain aware of their surroundings. And they need to be able to communicate clearly.

When a helicopter lands on an offshore platform, the noise level is so extreme that the number of landings per day is sometimes limited. At a steel forge, heavy-duty hammers, presses, and rollers can generate noise levels of 108 to 112 dBA. Yet while workers need protection from these dangerous noise levels, they also must remain connected to their surroundings.

Developed in conjunction with international energy company Statoil, QUIETPRO QP100Ex is the only intelligent hearing protection and communication system that provides smart personal hearing protection, verifiable personal noise exposure measurement, and the clearest communication throughout a full range of work environments.

QUIETPRO QP100Ex transforms a worker's hearing and ability to communicate clearly from a point of vulnerability to a productivity advantage.

Personal real-time noise monitoring to prevent hearing loss. QUIETPRO QP100Ex uses patented in-ear dosimetry to measure every sound that reaches the user's eardrum. Dramatically more precise than existing area or personal sampling devices, its in-ear dosimetry provides continuous monitoring of personal noise exposure, enabling safety managers and workers to address the potential of noise-induced hearing loss in real time. Audible and visual signals alert workers when they are approaching or have met their daily noise dose. Not only can this information prevent further occupational hearing loss, it can improve productivity by streamlining worker deployment, matching shift hours with permissible exposures more efficiently.

Clear communication even in rapidly changing, high noise environment. Connected to two-way com radios, QUIETPRO QP100Ex allows users to hear communications without compromising listening quality, even under high noise

situations. It also enables users to speak at a normal level and be heard by the person on the other radio without picking up environmental noises – compressors or pumps in engine rooms, steel forging equipment, or draglines in surface mines – or compromising speech intelligibility.

Always listening, always on. QUIETPRO QP100Ex's bionic hearing expands your workers' personal situational awareness, understanding, and communication by adapting to changing noise levels. This allows your workers to remain aware of their surroundings, assess rapidly changing environments and potential threats, and reduce further exposures to hazardous noise.

Intrinsically safe for potentially explosive environments. Developed in conjunction with Statoil on its offshore platforms, QUIETPRO QP100Ex is intended for use in potentially explosive atmospheres, and is ideal for Oil & Gas, Mining, Primary Metals, and Energy Production.

Recommended Industries/Use

- Chemical
- Mining
- Oil and Gas
- Pharmaceutical
- Utilities
- Nuclear

Hazards

- Explosion
- Impact
- Noise

Regulations

-

Specifications

Intrinsically Safe

- ATEX Ex ia IIB T4 Ga (Category 1 Approved for Zone 0, Equipment group 2, Gas group IIB Temperature class T4)

IECEX Scheme

- Ex ia IIB t4 Ga

Automatic Fit Test

- Yes

In-Ear Dosimetry

- Yes

Digital Active Noise Reduction (dANR)

- Yes

Voice Menu Interface

- Yes / Multiple Languages

Automatic Radio Configuration

- Yes

Communication Radio Interface

- 1

Audio Routing

- Stereo only

VOX Mode

- No

Push-to-Talk

- Yes

Battery

- Internally Rechargeable (Li-Ion)

LED Light Display

- Yes

Ingress Protection (IP) Rating

- IP67

Literature & Documents

DOC2585_HEAR_DEP6P_QP100ex_GBc

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Hearing_Protection/Intelligent_Hearing_Protection/4294989279/1033.aspx

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