HONEYWELL HANDHELD PUMP

Remote Sampling with Enhanced Flexibility

The Honeywell Handheld Pump is designed to support spot checks and remote gas sampling when used with portable diffusion gas monitors.

It allows users to switch between diffusion and pumped operation using an existing flow adaptor, helping teams adapt to requirements without changing core equipment. This approach supports consistent gas monitoring across a range of industrial applications.



DESIGNED FOR EVERYDAY INDUSTRIAL ENVIRONMENTS

Lightweight and durable, the Handheld Pump is intended for routine use in working environments. A single fast charge supports extended operation of up to 24 hours, helping maintain equipment availability during a shift. The pump is compatible with common gases such as oxygen, carbon monoxide, hydrogen sulfide, flammable gases, and exotic gases when appropriate tubing and accessories are used.

The clip-on, in-line design, enables straightforward attachment to compatible Honeywell gas detectors, including single and multi-gas monitors, allowing users to perform intermittent spot checks, clearing, and extended sampling with the same monitoring platform.

FEATURES AND BENEFITS

STRAIGHTFORWARD OPERATION

Single-button on/off and reset operation with clear visual and audible status indicators supports intuitive operation and streamlined user training. A single charge gives up to 24 hours of operation for increased availability when needed.

SIMPLE OPERATIONAL CHANGES

The snap-on flow adaptor and quick-connect fittings support rapid transitions between diffusion and pumped sampling and allow probes or tubing to be changed as sampling needs evolve.

IMPROVED REMOTE SAMPLING

Supports remote sampling using hard probes or flexible tubing for spot checks and intermittent monitoring. Supports use with standard and exotic gases, sampling distances up to 45 m (147 ft), and a nominal flow rate of 450 ± 50 cc/min. Optional PU or PTFE-lined tubing is available.

COMPATIBILE WITH EXISTING EQUIPMENT

Designed to work with Honeywell portable diffusion gas monitors, helping extend remote sampling capability across an existing detector fleet without replacing instruments.

DESIGNED FOR ROUTINE MAINTENANCE

The design includes replaceable built-in filters and quick-access components to support faster field maintenance.

CERTIFIED FOR HAZARDOUS LOCATIONS

Certified for use in explosive atmospheres in accordance with regional approvals, including ATEX, IECEx, UL, and CSA, supporting deployment across multiple regions and industries.

Honeywell

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OVERVIEW

The Honeywell Handheld Pump enables users of compatible portable diffusion gas monitors to add remote sampling capability across an existing detector fleet. Designed as a lightweight accessory, it supports spot checks, clearing, and extended sampling applications when used with Honeywell multi-gas monitors commonly deployed in industrial environments.

The handheld pump uses the standard flow adaptor already supplied with compatible instruments such as the BW Flex 4, BW Clip 4, or BW Solo. The pump replaces hand-aspirated and drop lines for faster, safer, and more reliable sampling using gas monitors.

An included mounting bracket supports single-handed or two-handed operation, as well as left or right-handed use. Single-button operation and clear visual status indicators for power, flow fault, and system status support consistent operation and streamlined user training.

The pump can be used with detectors monitoring standard and exotic gases. Accessories can be exchanged using standard quick connect fittings compatible with industry standard tubing. Each unit includes a short, hard probe, spare coarse dust and fine water impermeable filters for the built-in filtration system, sampling tube quick coupling fittings, and basic operating instructions. Additional probes, extended tubing, and inline or end-of-line accessories are available separately based on application requirements.

The modular design enables routine field maintenance, with captive screws for the bracket and filter cover and quick-connect tube fittings included.



Honeywell BW™ Flex 4



Honeywell Flex 5 Series



BW Clip 4



BW Solo

HONEYWELL HANDHELD PUMP

TECHNICAL SPECIFICATIONS	
CHARACTERISTIC	**PARAMETER**
Part Number	**CPD-HHP:** Single Unit **CPD-HHP-30:** Carton of 30 Units Bulk Quantities available upon request
Standard Supply	Handheld pump, detector mounting bracket, short hard probe 220 mm (9 in)[1], set spare filters (coarse/water), USB-A charger, quick start guide and packaging*
Size	**Packaged:** 230 mm x 115 mm x 46 mm (9 in x 4.5 in x 1.8 in) **Handheld Pump:** 53 mm x 36 mm x 160 mm (2.1 in x 1.4 in x 6.3 in)
Weight	**Packaged:** 357 g (0.8 lbs) **Handheld Pump Only:** 209 g (0.46 lbs)
Temperature	**Certified:** -20° C to +60° C (-4° F to 140° F) **Operational:** Dependent on detector specifications
Ingress Protection	IP66/68 (not recommended for condensing atmospheres) Heavy weather conditions, recovery from immersion
Sample Tubing	**Internal diameter:** 3.0 mm to 4.5 mm (1/8 in. to 3/16 in) **External diameter:** Nominally 6 mm (1/4 in) PU or similar for standard gases, PTFE lined for exotic gases
Flow Characteristics	450±50 cc/min Low flow/fail 375±25 cc/min
Operation and Alarms	Single push button on/off, acknowledge fault, reset fault **Status LED:** Green - all OK, Red with audible alarm - low flow/fault **Power LED:** Off - all OK, Amber - recharge, Green - charged **Audible:** 95dB at 30 cm
Battery Operation	**Run time:** in excess 24 hours[2] (tested as new at 20° C) **Re-chargeable LiPo:** 4-6 hours fast charge
Certification and Approvals (Pending)	**Europe (ATEX):** EEx ia IIC T4 Ga, Zone 0, 1, and 2 **North Americas (UL/CSA):** Class 1, Division 1 and 2, Ex ia IIC T4 Ga **ROW (IECEX):** Ex ia IIC T4 Ga, Zone 0, 1, and 2

(1) Not suitable for exotic gases.

(2) Runtime may be reduced due to age, low temperature, sample line length

* Flexible tubing is ordered separately. Tubing material selection (polyurethane or PTFE lined) depends on the intended application and gas type.

OTHER ACCESSORIES*	
DESCRIPTION	**PART NUMBER**
Collapsible Probe	GA-CPROB1 (1m), GA-CPROB2 (1.8m)
Tubing (incl. connectors/filters)	HOSE1-10/20/65 (PU), HOSE2-10/20/65 (PTFE)
Ball Float	GA-FLOAT
Weighted Sintered Filter	GA-MFILTER
Deluxe Hard Probe	GA-PROB1-1
Quick Connect Coupling	CPD-HHP-QC2M (2 pack)
Water Trap (Barbed)	WT-2

*Not suitable for all gases.



HOSE1-10/20/65



GA-FLOAT



GA-MFILTER



GA-CPROB1



CPD-HHP-QC2M



WT-2

Industrial Measurement and Control

THE FUTURE IS WHAT WE MAKE IT

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