HYBRID® SERVICE

Heath®

SELF-CALIBRATING MULTI-GAS DETECTOR

The **HYBRID** Service self-calibrating multi-gas detector is transforming natural gas leak detection workflows by eliminating calibration downtime, enabling cloud-connected data management, and allowing teams to tailor the fleet to their specific operating needs.

Why HYBRID?

End Calibration Downtime
Built-in self-calibration verifies accuracy faster, eliminates the need for external calibration gases, and reduces maintenance effort—keeping field teams productive while lowering costs and minimizing downtime.

Cloud-Connected Confidence
Improve the accuracy and efficiency of your gas leak detection operations with intelligent cloud data management that automatically captures and uploads self-calibration records, survey data, and breadcrumb trail history to Heath's secure web portal through the companion mobile app—helping teams reduce manual reporting effort, strengthen audit readiness, and maintain a clear, reliable record of every activity.

Advanced Data Management
Turn every **HYBRID** deployment into a more efficient, transparent, and compliance-ready operation with customizable reporting and workflow tools that reduce administrative effort, improve team productivity, and provide the visibility needed for faster, more confident operational decisions.

Tailor to Your Operating Needs
Instrument configurations can be factory-set or centrally managed, enabling organizations to easily standardize the entire fleet for consistent, compliant, and efficient field operations.

FEATURES

- Optical based multi-gas detection technology
- Sunlight and lowlight readable touchscreen
- Integrated GPS and wireless connectivity
- Automatic calibration record archiving to the cloud
- Natural Gas Discrimination and Bar-hole tests
- Indoor, Outdoor, Confined Space, Purge, Flue, Cal Modes

BENEFITS

- End calibration downtime
- Built for longer service life
- Detect low-level readings with confidence
- Complete inspections faster
- Adapt easily to changing workflows
- Lower maintenance costs

9030 Monroe Road, Houston TX 77061
713-844-1300
www.heathus.com
info@heathus.com

ACT ISO 9001:2015 · UKAS MANAGEMENT SYSTEMS 0273 · certified WBENC WOMEN'S BUSINESS ENTERPRISE

PRODUCT SPECIFICATIONS

Self-Calibration

Operation
Internally integrated

Power

Battery Pack
Removable
Rechargeable
Li-ion
2 Cell Lithium-ion pack, 7.2 V, 5 Ah

Battery Pack Charge Time
(Approx) 4 hours

Run Time
(Approx) 2.5 hours at 32 °F (0 °C)

USB-C Power Port for Charging
5V, 3A Power Supply Provided

Operating Modes & Gas Detection

Operating Modes
Indoor, Outdoor (Survey & Bar-hole), Purge, Flue, and Confined Space

Startup Time
(Approx) 3.5 min

Detection Technology
Optical

Measured Gases & Detection-Ranges
Methane:
1 - 1,000 ppm
1 - 100 % LEL
5 - 100 % Vol
CO: 1 ppm - 2,000 ppm
CO_2: 0.1 % - 30 % Vol
O_2: 0.1 % - 25 % Vol

Accuracy
Methane (CH_4):
± 10 % of Reading (ppm)
± 5 % of Reading (LEL, typ.)
± 10 % of Reading (% Vol) or
± 5 % Full Scale (% Vol, typ.),
Whichever is Smaller
Carbon Monoxide (CO):
± 5 ppm or ± 10 % of Reading (>50 ppm)
Oxygen (O_2):
± 3 % Full Scale*

Resolution
Methane (CH_4):
1 ppm (1 to 1,000 ppm)
10 ppm (1,000 to 5,000 ppm)
100 ppm (5,000 to 10,000 ppm)
0.1 % Vol (1 to 100 %)
Carbon Monoxide (CO): 1 ppm
Carbon Dioxide (CO_2): 0.1 % Vol
Oxygen (O_2): 0.1 % Vol

Response Time with Gooseneck Probe
T10 < 3 Sec; T50 < 4 Sec; T90 < 6 Sec

Gas Purging
100 % Vol to < 50 ppm in <= 1 min

Natural Gas Discrimination Threshold
>= 0.5 % Natural gas for >= 30 sec

Display

Size
3.5 in (8.9 cm) Diagonal Reflective LCD

Selection Methods
3 Keypad Buttons / Touchscreen

GNSS

Available Through Heath App Interface

Communication

USB-C Data Port
Flash Drive

Wireless Connectivity

Alarms

General
Audible and Visual for Detection Thresholds, Warnings and Errors.

Detection Alarm Levels
Customizable Configurations

Geiger Mode
Continuous Audible Beep Rate Relative to Concentration from 10 - 1000 ppm

Pump

Sample and Purge Flow Rate
(Approx) 1.0 lpm

Barhole Flow Rate
(Approx) 0.5 lpm

Data Logging

Data Collected
Self Calibration Certificate
Gas Reading with GPS Location, Date & Time
Barhole Data
NGD Readings & Discrimination
Alarm Readings
Diagnostic Logs
Flow Test Logs

Storage
Internal Removable 16 GB micro SD card

Operating Conditions

Temperature Range
14 °F to 113 °F (- 10 °C to 45 °C)

Humidity
5 - 95 % RH, non-condensing

Elevation
10,000 ft (3,048 m)

General

HYBRID SERVICE Weight
(Approx) 3.7 lbs (59 oz)

Regulatory & Certification

Federal Communications Commission
47 CFR Part 15 & ICES-003

European Conformity
CE

Measuring Instruments Directive (2014/32/EU)

EMC Directive (2014/30/EU)

Low Voltage Directive (2014/35/EU)

Radio Equipment Directive (2014/53/EU)

ETSI EN 301 489-1 v2.2.0 (EN6100-6-4)

EMC / ESD (EN61000-6-2)

EN 61326-1:2013

Ingress Protection
IP54

Hazardous Location Safety

Class 1, Zone 1 AEx ib IIA T3 Gb

Ex ib IIA T3 Gb

Ordinary Location Safety

UL/CSA 61010-1

CAN/CSA-C22.2 No 61010-1-12

* With daily calibration at vicinity of temperature of measurement.

REV DATE: 07/26

9030 Monroe Road, Houston TX 77061
713-844-1300
www.heathus.com
info@heathus.com