

# RIKEN KEIKI GP-03

Singelgas detectors for LEL

The GP-03 single gas detectors is personal protective measuring device for %LEL of explosive gasses. The unit is rugged, easy to operate and has replaceable sensors and filters.

## Product description

The Riken Keiki GP-03 is personal single gas monitors designed for measuring %LEL. Users will find the GP-03 unit robust, reliable, long lasting, and cost effective. In addition the instrument has a digital display, can be calibrated, and are dust and water-resistant (IP-67). The GP-03 has a replaceable rubber boot in addition data log from 5 to 300 hours. It is equipped with visual, audible, and vibration alarms as standard. Operates 35 hours on alkaline batteries. Replacement of sensors, filters and batteries is very easy.



## Features

- ✓ Real-time measurement
- ✓ %LEL
- ✓ Clear display with auto back lighting
- ✓ Loud alarm buzzer, light and vibration.
- ✓ Intrinsically Safe ATEX Exia II CT4 approved
- ✓ IP67 water and dust resistant
- ✓ Changeable alkaline batteries
- ✓ Compact, light weight, ergonomic design
- ✓ Optional waist strap for hands free operation
- ✓ Operates 35hours on alkaline batteries
- ✓ Data logging as standard

## Applications

- ✓ Personal monitoring
- ✓ Refineries/Petrochemical
- ✓ Wastewater treatment
- ✓ Occupational health
- ✓ Chemical plants
- ✓ Hazardous material
- ✓ Water
- ✓ Fire service
- ✓ Mining

# Technical specifications

| Model Name                  | GP-03  |
|-----------------------------|--|
| Gas Detected                | Combustible gas  |
| Detection Principle         | Catalytic combustion   |
| Detection Range             | 0 – 100% LEL   |
| Increments                  | 1% LEL   |
| Preset alarms               | 1st: 10% LEL<br>2nd: 50% LEL<br>OVER: 100% LEL   |
| Types of alarm <sup>1</sup> | Gas alarms: 2 preset alarms, OVER scale alarm, STEL, TWA<br>Trouble alarms: Sensor connection, low battery, calibration error, clock error, system error |
| Alarm Methods               | Latching   |
| Display of alarm            | Gas Alarms: Flashing LEDs, Buzzer, Flashing gas value, Vibration<br>Trouble alarms: Flashing LEDs, continuous buzzer, display of error message           |
| Operating Temp. & Humidity  | - 20°C ~ 50°C [- 4°F ~ 122°F] 0 ~ 90%RH (Non-condensing)   |
| Power source                | 2 AAA size Alkaline battery  |
| Continuous Operation        | Alkaline battery: Approx. 35h  |
| Response Time               | 90% response within 30 seconds   |
| Ingress proof               | IP 67  |
| Explosion proof             | Alkaline dry battery version: Exia II CT4<br>Ni-MH battery version: Exia II CT3  |
| Approvals                   | IECEx, ATEX  |
| Dimensions & Weight         | Approx. 57(W) × 70(H) × 26(D) mm [2.1(W) × 2.64(H) × 0.94(D) inches] with rubber protection cover, 80g [2.8 ounces]                                      |
| Function                    | Manual LCD backlight (Automatically ON when alarming), Peak value, Data logging, Time, CAL alarm, BUMP alarm   |

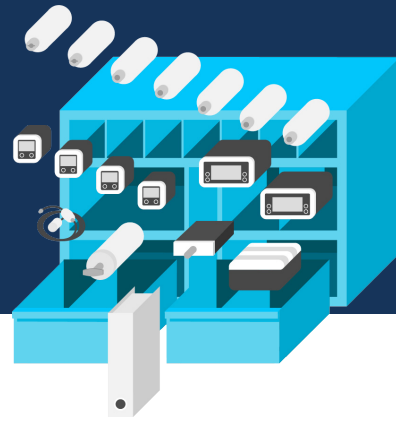
## Accessories:

- AAA alkaline (×2) or Ni-MH (eneloop) batteries (×2) (specify at time of order)
- Rubber protection cover (×1)
- Alligator clip (×1)

## Optional:

- Belt clip
- Dust filter
- Calibration cap
- Hand strap
- Data logger management program

# The Bruusgaard System



TBS is a unique turnkey portable gas detection solution, giving you increased safety and substantial cost savings through standardised instruments, routines, training and procurement.

## Logistic Support

At any given time we know the status of all vessels and sites covered by The Bruusgaard System. We consolidate all shipments and make sure you have everything you need on board until next scheduled delivery. This results in fewer shipments and substantial savings!

- Year round follow up of instruments, spares and consumables
- Handling of all shipments & logistics
- Annual reports per vessel including budgeting



## Safety

QA – strict routines and logging

- Crew are able to use instruments and follow routines correctly
- Instruments are in proper working condition at all times
- Instruments are calibrated at correct intervals
- Sensors and other items are replaced at correct intervals
- Usage of instruments is logged, including abnormal observations
- Traceability – instrument history and usage
- Routines and procedures can merge into the overall QA-system

Effective and proven training is an integrated part of The Bruusgaard System.

## Instruments

All the equipment used for gas detection and calibration is placed in a custom-made wall cabinet. Including Log & Instruction Manual, which are crucial to maintaining the safety integrity.

- Standardised vessel specific gas detector solutions
- Total solutions including all equipment and routines necessary for efficient and safe use, storage and maintenance

## Cost Savings

Some of our customers have been able to go from 8 to 10 suppliers down to 1 – translating into cost savings of up to 40-50%. For one vessel, this could be thousands of dollars annually, and for a whole fleet, the cost savings can be dramatic. This is achieved through:

- One contact for worldwide supply of spares & gases
- All service and calibration can be done on site.
- Reductions of instrument types from 10-12 to 2-3

Reduced maintenance costs through:

- On board calibration
- Fewer instruments on board
- No need for spares on board
- One PO per year
- Increased safety
- Less use of administrative time