smart
GasDetection
Technologies

TeamLink G999L - Connected Safety Monitor

Protecting your team

TeamLink G999L – The smart way to ensure Connected Safety

The one sentence that no one responsible for the safety of a colleague or a team ever wants to say is „I just lost sight of them for a moment". With caution and technology, risks can be minimised, but accidents do still happen. All that counts in such cases is swift and targeted help.

TeamLink G999L – your Connected Safety solution

Lone work is defined as work carried out by one person alone, in isolation from other workers without close or direct supervision, even if only for a short time. If this cannot be avoided, employers must take appropriate monitoring measures.

The Connected Safety Monitor TeamLink G999L wirelessly links the gas detection devices of up to 10 team members into a safety network that provides important information in real time in case of an alarm.

Functions:

» Query the measured values of up to 10 connected gas detection devices in real time
» Continuously monitoring radio connections
» Providing team leaders with visual and audible alarms, including information on affected persons and gas concentrations
» Man-down Alarm and Panic Alarm
» LED panel for a quick overview
» On-going information of hazard situations on site to enable rescue services to protect themselves
» Open field range up to 700 m (Europe) / 300 m (USA)
» Ex-approval for I M2 / II 2G

The TeamLink is suitable for use with both the Microtector G888 and Polytector G999. These portable gas monitors must be equipped with an appropriate radio module.

The next logical step in terms of occupational safety in the field of gases: Connected Safety

The primary purpose of portable gas detection devices is to alert their wearer and people in the immediate vicinity of dangerous gas concentrations. However, this alone is not enough. Information about an alarm and its cause must be available to the supervising person, i.e. the team leader, supervisor or the second man of a buddy system.

This is the only way to alert other team members in case of an emergency and to initiate measures without rescuers putting themselves at risk or losing too much time with self-protection against unknown dangers.

Clearly visible and unmistakable (103 db A)

LED panel Information:

Red	static	Alarm (gas, man-down, panic)
Green/Yellow	flashing	Connection interrupted
Yellow	flashing	Connection not possible
Yellow	static	Device off/Service Mode
Green	static	Everything is OK

The TeamLink - a safer and more economical solution than other security concepts

Know what is happening on site

When every second counts, the situation on site must be clear at first glance. In the event of an alarm, the TeamLink shows unambiguously whether there is a dangerous situation caused by gas **(Alarm Thresholds 1 to 3)**, whether the person on site is actively requesting help **(Panic Alarm)** or whether there is a medical emergency **(Man-down Alarm)**.

« *React as soon as risks arise.* »

Be aware when additional measures have to be taken

The TeamLink not only alerts the user to acute dangers, but also indicates as soon as a gas detector can no longer be reached. A yellow display in the LED panel is the signal for the supervisor to take action. It may be enough for a worker to change their position to restore the connection, however, additional measures, such as a buddy system, may become necessary if local conditions do not allow for remote monitoring.

Exploring without endangering peoples life

The combination of the portable gas monitor and TeamLink is also perfect for checking gas concentrations from a safe distance and detecting hazards in time. For example, this allows, the use of remote-controlled reconnaissance vehicles to minimise potential risks for employees or rescue teams.

Connected Safety utilizing TeamLink und G888/G999 Visual

The TeamLink is only one component in GfG's Connected Safety network. The other is the safety software G888/G999 Visual. Installed on a laptop or tablet, it quickly and conveniently connect with all team members via USB radio dongle, offering additional security functions:

» Monitoring of teams with more than 10 members
» Pager function for short messages and answers
» Simulated alarms for safety exercises

All the data and information that is displayed by the TeamLink is clear and concise.

CONNECTED SAFETY

G888/G999 Visual software

TeamLink G999L

G888 or G999

Technical Data: TeamLink G999L

Type designation:	G999L
Purpose:	Portable Connected Safety Monitor for status and measurement data retrieval by radio from gas detectors of the G888 and G999 series.
Display:	Illuminated 2" LC full graphic display
Alerting:	According to the configuration of the integrated, portable gas detectors
Radio:	EU: 868 MHz Range approx. 700 m (open field) USA: 915 MHz Range approx. 300 m (open field)
Power supply:	NiMH battery module, 5.2 V, 2100 mAh
Temperature Operation: Storage:	 -20 °C to +50 °C -25 °C to +55 °C
Humidity:	5 % to 95 % R.H.
Pressure:	70 kPa to 130 kPa
Housing Material: Dimensions: Weight: Protection class: Mounting:	 Shock absorbing, rubberised polycarbonate 68 x 136 x 39 mm (W x H x D) 2.7 x 5.4 x 1.5 in (W x H x D) 306 g IP67 Crocodile clip
Approvals & Tests Labelling & Type of protection: EU-Type Examination Certificate: IECEx Certificate of Conformity: Electromagnetic compatibility:	 ⟨Ex⟩ I M2 Ex ib I Mb ⟨Ex⟩ II 2G Ex ib IIC T4 Gb -20 °C ≤ Ta ≤ +50 °C BVS 15 ATEX E 064 X IECEx BVS 15.0056 X DIN EN 50270:2015 Interference emission: Type class I Immunity to interference: Type class II

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