TeamLink G999L - Connected Safety Monitor

Protecting your team

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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.
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).

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

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.
**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: -20 °C to +50 °C
  - Storage: -25 °C to +55 °C
- **Humidity:** 5 % to 95 % R.H.
- **Pressure:** 70 kPa to 130 kPa
- **Housing:**
  - Material: Shock absorbing, rubberised polycarbonate
  - Dimensions: 68 x 136 x 39 mm (W x H x D)
  - Weight: 306 g
  - Protection class: IP67
  - Mounting: Crocodile clip
- **Approvals & Tests**
  - **Labelling & Type of protection:**
    - I M2 Ex ib I Mb
    - BVS 15 ATEX E 064 X
    - IECEx Certificate of Conformity
    - DIN EN 50270:2015
  - **Interference emission:**
    - II 2G Ex ib IIC T4 Gb
    - -20 °C ≤ Ta ≤ +50 °C
  - **Immunity to interference:**
    - Type class I
    - Type class II

**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.