Data Driven Management Solutions
Better protection begins with better detection

Better protection starts with better detection. Fixed and portable gas and flame detection solutions with industry leading strategic insight give you the power to protect. With hundreds of years of combined experience and the most comprehensive gas and flame detection portfolio in the industry, Tyco Gas & Flame Detection is dedicated to protecting people, assets and the environment.

Data-Driven Management Solutions

Field Data is Business Data

One of Tyco’s core strategies is to utilise converging technologies in simple yet effective packaged solutions, ensuring our customers benefit from our innovative range of smart, user-friendly systems that make day-to-day gas detection easier and safer whilst encouraging field data to be utilised to improve business decision-making. Our approach is to empower customers to leverage the functionality of their instruments and docking technologies with Tyco Gas & Flame Detection’s innovative data extraction software (including our Instrument Management System) to create a packaged solution specific and bespoke to your own gas detection needs.

Why is Field Data Important?

Data driven management enables business’ to utilise real data from their own organisation to shape business and process decisions without estimation and guess work. Field Data can offer valuable insight into:
- Workers’ exposure to harmful gases.
- Process Efficiency.
- Gas Detector Test and Maintenance routines.
- Identification of ‘unsafe’ employee behaviours (e.g. slow response to alarm) supporting worker safety & training.
- Clear visibility of instruments performance.
- Efficiency within your entire fleet.
- Uptime whilst understanding fleet usage.
- Visibility of fleet location to localise docking stations and maintenance requirements.
- Cost Saving: Calibration of equipment can be done remotely, removing the requirement for equipment to be returned to a central “hub” for calibration.
- Fleet Visibility: Visibility of fleet location to localise docking stations and maintenance support.
- Reporting: Reports can be generated automatically in the field, allowing equipment to stay in the field and data returned to management.
- Cost Saving: Maximises operational “uptime” with a proactive approach to unit maintenance.

Benefits of Using Field Data:
- Access accurate data which helps the business make timely and informed decisions.
- Clear visibility of instruments performance.
- Understand when the instrument requires bump / calibration to ensure safety and regulatory compliance.
- Demonstrate compliance with legislation.

Data-Driven Gas Detection Solution

Gas Monitor (Instrument)

Provides the ability to perform a range of gas detection operations whilst simultaneously capturing data. Intelligent data logging functionality captures this data via automatic or manual data logging e.g. field log, calibration history, etc. Reduce the risk of data inaccuracy via automatic transfer of data. With a complete RMS, failures such as lack of docking can be identified, resulting in a safer fleet and safer workers. GS700 has additional functionality via GPS mapping which accurately captures the location history to support leak detection applications such as bar-holing and leak survey investigations.

Docking Stations

Provides a compact and robust location for the instrument to be homed when not in operation. Enables data extraction and the ability to perform bumping and calibrating tests. Can also print bespoke personalised calibration certificates in the comfort of your own work environment, ensuring simplicity as standard and peace-of-mind that your instrument complies with latest regulations in Marine and other relevant industries. Optional ability to charge instruments (only for rechargeable batteries). The docking station allows for data to be easily retrieved using our user-friendly software in a time logged format.

Cloud Based Instrument Management System

Speaks to your docking station or instrument (depending on the package) and retrieves the stored field / calibration / inspection data and sends this to your computer. Provides a user-friendly interface to access, view, analyse and then report on this business information. Instrument Management Systems from Tyco Gas & Flame Detection can be installed on your network (behind firewalls) or provided as part of a cloud based installation as per organisational preferences.

Utilising Data

Enables your business to make more informed decisions as a results of utilising field data as business data. Support continuous business improvement as you are utilising accurate data to improve business decisions. Furthermore, acts as a sustainment piece by encouraging your business to use this data to train your teams and keep them continually updated in an agile and progressive manner. This also enables our customers to become a more compliant business due to the ability to use historical data / investigations / records as evidence during audit processes.

Fleet Management - Manage your Equipment and Stay in the Field

Tyco Gas & Flame Detection solutions enables you to monitor your fleet remotely, ensuring maximum operational uptime whilst understanding fleet usage and status.

With the proactive use of data, you can understand how instruments are being used in the field, enabling the identification of synergies and potential efficiencies within your entire fleet.

Remote Management: Calibration of equipment can be done remotely, removing the requirement for equipment to be returned to a central “hub” for calibration.

Fleet Visibility: Visibility of fleet location to localise docking stations and maintenance support.

Reporting: Reports can be generated automatically in the field, allowing equipment to stay in the field and data returned to management.

Cost Saving: Maximises operational “uptime” with a proactive approach to unit maintenance.
Global Strength. Local expertise. At your service.

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