Introduction to Docking Technology
Better protection begins with better detection

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. We offer a range of portable gas detector docking stations, from basic docking stations providing bump and calibration through to full featured stations with remote data management via the cloud.

Introduction to Docking Technology

To complement the Personal Surveyor and Gas Surveyor product ranges; Tyco Gas & Flame Detection have developed a range of compact, robust and easy to use docking stations which provide customers with the confidence and assurance that their instruments will operate safely and effectively within the environment or application of use.

To achieve this, customers have the ability to run various tests as standard, including full and quick bump tests, and more comprehensive calibration tests.

By adding docking station technology to your instrument, data can be easily retrieved using our user-friendly software in a time logged format. This is the first step to having full visibility and control of your own data.

Certifiably Safe

Our docking stations provide the ability to create and print your own 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.

Regulatory awareness & Risk Management

In recent times, tighter regulations have been driving an increased focus on safety and as such the importance of frequent and accurate bumping and calibrating has increased dramatically. Our docking stations provide a simple and user-friendly solution to ensure compliance with regional regulations and compliment internal health and safety procedures whilst supporting effective risk management criteria.

For re-chargeable battery instruments, the docking station also charges your instrument, meaning you can leave it to charge during downtime, optimising efficiency and reducing hassle.
Tyco Gas & Flame Detection docking stations can accommodate the following instrumentation tests:

**"Quick" Bump Test**
This test validates that the alarm threshold has been exceeded for each range. The quick bump only checks the operations of the audible and visual alarms and does not validate sensor accuracy or response time.

**"Full" Bump Test**
The FULL bump test checks the response of all ranges against set limits. A Full bump validates these parameters like a quick test but also the sensor accuracy within known limits.

**Full Instrument Calibration**
This tests a sensor's response to a known gas and to ensure accuracy will adjust the response to match the input gas validating the sensor.

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### Why Do I Need to Bump & Calibrate?

Bump & Calibration tests ensure your instrument is ready for its intended purpose and verifies the alarm and sensor integrity are operating correctly.

The history of all bump and calibration test results can be easily viewed and reports generated quickly, supporting improved decision making. Tyco Gas & Flame docking stations can offer basic bump and calibration through to full featured units which support in-cloud results and reporting.

With the availability of fault finding and diagnosis data, you can begin to quickly use instrument data to speed up repairs, analyse fault patterns within your fleet and identify potential solutions quicker - the first step in utilising field data as business data.
PS1 Series Calibration Station
- Simple user interface
- Full bump and calibration available
- Bump/calibration results storage
- Robust construction
- Stand-alone mode

PS200 Series Calibration Station
- Simple user interface
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC and ethernet options
- Robust construction
- Ability to charge instrument
- Stand-alone mode

PS500 Series Calibration Station
- Simple user interface
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC and ethernet options
- Robust construction
- Stand-alone mode

BM25 Data Log Charger
- Ability to charge instrument
- Real-time data exposure analysis
- Record-keeping functionality
Protégé ZM Portable Test Station

- Bump, Calibrate, Program and Hibernate up to four Protégé ZM monitors at once
- Automatically configure monitors during testing
- Intuitive to use with simple two button operation
- Dedicated Pass/Fail LEDs for each test bay report results
- Records test logs and monitor event data on on-board memory
- Configurable calibration gas settings
- Rechargeable battery and durable case for true portability
- Built-in regulator and gas pressure gauge

Protégé ZM Stationary Test Station

- Bump, Calibrate, Program and Hibernate up to four Protégé ZM monitors at once
- Automatically configure monitors during testing
- Intuitive to use with simple two button operation
- Dedicated Pass/Fail LEDs for each test bay report results
- Records test logs and monitor event data on on-board memory
- Configurable calibration gas settings
- Supports larger calibration gas bottle sizes via gas inlet port

Protégé Masterdock

- Fully automated bump and calibration
- One button operation
- 30-second bump test
- 2-minute calibration
- Portable with optional battery operation
GS & GT Series GDU Net
Docking Stations

GS700 / 500 / Shipsurveyor
GDU Net

- Simple user interface
- Fully automated test and calibration
- Stand-alone, PC and ethernet options
- Results storage – print and store certificates
- Robust construction
- Stand-alone mode

GS700 / 500 / Shipsurveyor
Mobile GDU Net

- Fully automated test and calibration
- Ability to charge instrument on-the-go
- Stand-alone, PC and ethernet options
- Results stored on vehicle – can be uploaded
- Safe and efficient

GT Calibration Station

- Safe and convenient method of performing calibrations
- Robust construction
Docking your instruments with a Tyco Gas & Flame Detection docking station represents the first step in utilising your in-field data as business data. The data provided by our docking stations allows you to put field data at the heart of business decisions.

Focus on your business. Leave the Gas Detectors to Tyco Gas & Flame Detection

Docking Station Compatibility

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<th>DOCKING STATION COMPATIBILITY</th>
<th>ABC Docking Station</th>
<th>GDU Net</th>
<th>Mobile GDU Net</th>
<th>Protege ZM Stationary Test Station</th>
<th>Protege ZM Portable Test Masterdock Station</th>
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What is Data Driven Management & Solutions?

Data Driven Management enables business to utilise real data from their own organisations to shape business and process decisions, without estimation and guesswork. The ability to harness the power of everyday field data to improve business performance ensures that organisations can focus on their own business, leaving the management of Gas Detectors to Tyco Gas & Flame Detection.

Instrument Management System (IMS)

Cloud based data management

The IMS from Tyco Gas & Flame Detection puts everyday field data "in the cloud", enabling data management of remote workers without needing to visit a central location to download data. Calibration data can be easily accessed remotely via a web browser or a multitude of mobile devices including mobile phones and tablets. With the IMS, it is simple and easy for Tyco Gas & Flame Detection experts to support you with device monitoring, maintenance, training etc and provides improved record keeping. Through its comprehensive reporting capabilities, the IMS improves compliance to safety management and regulations.

Fleet Management

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.

Accessories & Ancillary Equipment

Tyco Gas & Flame Detection has a range of accessories and ancillary equipment to support its range portable gas detectors and docking stations, including pumps, test gas and something else.

For more information, please visit www.TycoGFD.com
Global Strength. Local expertise.
At your service.