DS404

The Multi-inlet Docking Station

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Multi-inlet Docking Station

- **Four test gas ports**
- **Fully automatic** functional bump test and calibration
- **Automatic** test of alarms
- **Automatic** charging
- **Automatic** record keeping
- Simple pass / fail indication
- Cascade multiple docking stations

- Saves last calibration and bump test records in detector for easy retrieval of maintenance record in the field
- **No computer** necessary
- Up to 2,000,000 records in memory
- Saves times, gas and efforts for **lower cost of ownership**
- Print official calibration certificates

GfG Instrumentation

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DS404 Multi-inlet Docking Station for G400 series detectors

Easy operation

The operation of the **DS404** docking station couldn't be any easier. Simply put the G450 or the G460 in the dock and the system will take over from there. The **DS404** automatically performs a full functional test including fresh air calibration, bump test, extensive sensor tests, alarm tests and optionally performs an automatic AutoCal® calibration.

Extensive diagnostics

The **DS404** is designed to go beyond the traditional basic docking station tests and includes sensor diagnostics tests such as T_{50} and T_{90}. After all, what good is a sensor that can respond to gas when it takes too long to get there? With the **DS404** you can have confidence with this added level of safety.

Automatic charging

After all tests have been completed the **DS404** will automatically start the charging process of the detector or you may remove and begin using it. In case the detectors battery condition is insufficient to complete a test the **DS404** will charge the instrument before performing the test.

Record Keeping

A good instrument gas detection maintenance program is not complete without equally good records keeping. Whether you choose to download or maintain the records on a PC or network or your preference is to leave it to the docking station, the **DS404** is the right choice.

The **DS404** can retain as many as 2 million complete diagnostics in memory with maximum memory installed. That is over 50 years of data even if testing 100 detectors every single day!

Reduced cost of ownership

The **DS404** is designed to reduce the cost of ownership every step of the way. The built in pump has variable flow control to reduce the amount of gas consumed during the test. The **DS404** is even smart enough take advantage of the gas remaining in the tubing after the previous test was completed.

PC communication

The **DS404** comes complete with USB interface cable and download software. The SD card may also be downloaded using a standard SD card reader.

Maintenance certificates

The **DS404** software includes a module to quickly print official calibration or bump test certificates. Simply download the records from the **DS404** and start the "Certificate Generator" … it takes only seconds!

Specifications

Physical Properties

Dimensions:	4.9"x6.7"x8.9" (125x169x225 mm)
Weight:	52.91 ounces (1,500 grams)
Power:	12 VDC wall cube
	12 VDC vehicle power (optional)

Test Protocol

Fresh Air:	Automatic calibration
Gas Response:	Automatic bump test
	Automatic or selective calibration
Response Time:	T_{50} or T_{90} tests
Alarm Activation:	Time to activate alarm-1 and alarm-2
Visual Alarm:	Automatic LED test
Audible Alarm:	Automatic horn test

Operation:

Interface:	G450/G460 keypad
Display:	G450/G460 graphic display
Time stamp:	Automatic/Real-time clock

Gas Connections and Pump

Inlets:	4 Gases
	1 Fresh air
Outlets:	1 Gas exhaust
Flow rate:	0.5 liter per minute, variable flow

Other Specifications

Temperature range:	50-90ºF (10-32ºC)
Warranty:	1 Year

Standard Accessories

*DS404 data software
USB computer interface cable
Power supply
2 GB SD memory card
*Configuration software
*Download software
*Certificate generator

* System requirements: Windows operating system.
Please note: Operation of the DS404 requires a Demand flow regulator.

Optional Accessories

12 VDC vehicle power adapter

Distributed by:

GfG Instrumentation

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Rev. 6 (9/22/16)