

# DS400

## The Ultimate Docking Station for Instrument Maintenance



# DS400

## Docking Station

- **Fully automatic** functional bump test and calibration
- **Automatic** test of alarms
- **Automatic** charging
- **Automatic** record keeping
- Simple pass / fail indication
- 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
- Cascade multiple docking stations
- Saves times, gas and efforts for **lower cost of ownership**
- Print official calibration certificates

## GfG Instrumentation

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# DS400 Docking Station for G400 series detectors

## Easy operation

The operation of the **DS400** 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 **DS400** automatically performs a full functional test including fresh air calibration, bump test, extensive sensor tests, alarm tests, battery test and optionally performs an automatic AutoCal<sup>®</sup> calibration.



## Extensive diagnostics

The **DS400** 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 **DS400** you can have confidence with this added level of safety.

## Automatic charging

After all tests have been completed the **DS400** 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 **DS400** 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 **DS400** is the right choice.

The **DS400** 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 **DS400** 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 **DS400** is even smart enough take advantage of the gas remaining in the tubing after the previous test was completed.

## PC communication

The **DS400** 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 **DS400** software includes a module to quickly print official calibration or bump test certificates. Simply download the records from the **DS400** and start the "Certificate Generator" ... it takes only seconds!

GfG Instrumentation											
Calibration Certificate											
G450											
Serial Number: 12345678											
Version: 3.11											
Sensor	Unit	Alarm 1	Alarm 2	Alarm 3	STEL	TWA	Test	Zero	Gas		
H2S	PPM	31	200	5	200	36	200	PASS	PASS		
CO	PPM	31	200	5	200	36	200	PASS	PASS		
O2	VOL%	19.5	17	23.5	0	0	18	PASS	PASS		
LEL	%LEL	10	20	60	0	0	50	PASS	PASS		
									Audible Alarm:	PASS	
									Visual Alarm:	PASS	
Calibration performed by: GfG DS400 Docking Station											
GfG, Inc. Service											
S/N: 0804050											
Version: 2.08											
						Technician	Date	2009-04-14	Date		
						Tested	Time	11:25			

## Specifications

### Physical Properties

Dimensions: 5.1"x9"x4.7" (130x230x120 mm)  
 Weight: 28.5 ounces (800 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: 1 Gas  
 1 Fresh air  
 Outlets: 1 Gas exhaust  
 Flow rate: 0.5 liter per minute, variable flow

### Other Specifications

Temperature range: 50-90°F (10-32°C)  
 Warranty: 1 Year

### Standard Accessories

DS400 data software  
 USB computer interface cable  
 Power supply  
 1 GB SD memory card  
 Configuration software  
 Download software  
 Certificate generator

### Optional Accessories

Demand flow regulator  
 2 GB SD memory card  
 12 VDC vehicle power adapter

Distributed by:



**GfG Instrumentation**

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Rev. 3 (May 2011)