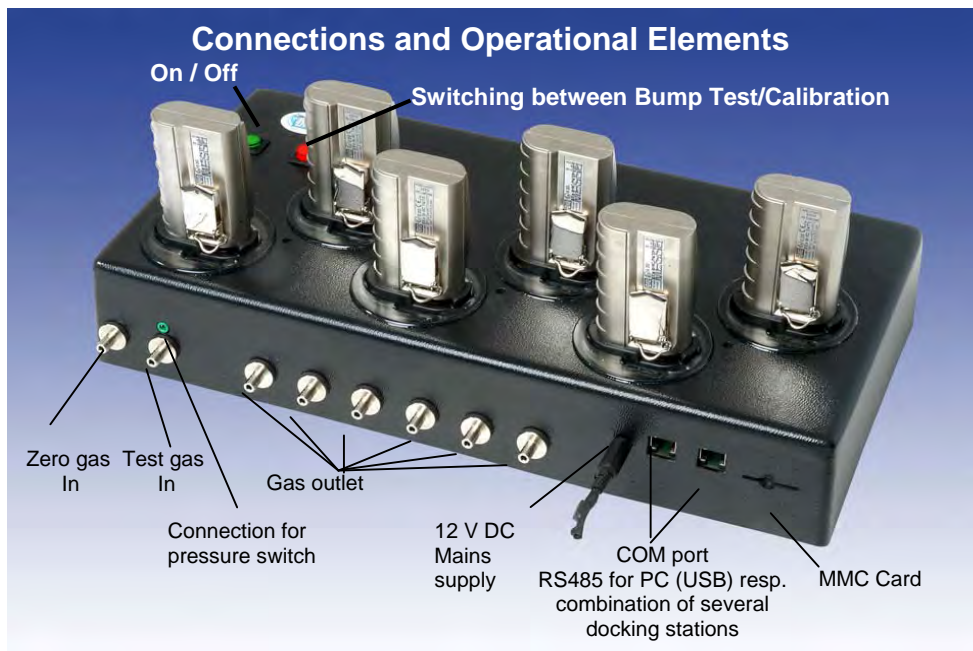


MICRO IV Dockingstation DS220

Shortform Manual – Function Test



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Application

The docking station DS220 is an automatic test station for calibration and bump test of the personal gas monitor MICRO IV.

Positioning / Mounting

The docking station must be placed on a fix and plane surface.

Make sure that the test gas is discharged freely and without pressure!

Test gas supply must be effected without pressure by means of the pump inside the docking station.

Operation

Push the green switch to turn the docking station on or off. Flashing of the green On/Off switch indicates that the required pressure from the test gas bottle is too low (test gas used up). The docking station may be equipped with up to 6 detectors simultaneously. The **bump test** starts automatically. Bump test or calibration can only be done for MICRO IV detectors for the same gas and detection range. For detectors monitoring a different gas or detection range you have to supply different test gas, and the docking station has to be set for new parameters by means of the configuration software.

Before starting the test push the red button to select between **bump test or calibration**. Should the red button be lit, calibration is effected – otherwise a bump test is done.

When you put a detector in the docking station, the status LED for the relevant slot flashes yellow for approx. 10 seconds. During this time you may put additional detectors into the docking station. As soon as a status LED turns to „permanent yellow light“, the test is started and you cannot place additional detectors, as these would not be recognized.

The test results are signaled visually by flashing or lighting of the relevant status LED.



Functions of status LEDs

- | | | |
|--|----------------------|---------------------------------|
| | LED flashing yellow | = Test preparation |
| | LED permanent yellow | = Start of detector test |
| | LED flashing red | = Gas flow failure |
| | LED permanent red | = Test failed |
| | LED permanent green | = Test completed, detector o.k. |

Once the test is completed (green LED), you should remove the detectors immediately. Should the red LED light up, repeat the test. All information about the bump test and calibration of the individual detectors are stored on a MMC (if fit) and can be transferred to a PC by means of a card reader. Data transfer to a PC is effected automatically, if a MMC is fit and if the docking station is connected to a PC.

The bump test includes:

- Setting of time
- Check of buzzer
- Visual check / Alarm LED
- Response time of sensor, response sensitivity
- Detector fault
- Setting of interval for next bump test, e.g. 14 days