



# DOCKING AND CALIBRATION STATION

Gas Detection For Life

**SDM-6000**



## Features

### Stand Alone Station

- Stand-alone station (no PC Required)
- Charge, calibrate, bump test, and alarm test
- Included software collects calibration, bump test, alarm history, and exposure date from instruments
- Automatically power instruments on / off for scheduled calibration
- Accepts GX-6000 with or without rubber boot

### Modular Design

- Simultaneously bump / calibrate, charge, and collect data up to 10 instruments
- No tubing, adaptors or wires needed to connect
- One power source for all stations
- Configure GX-6000 parameters
- Centralize instrument data from multiple stations and locations to one network location
- Ethernet port for LAN connectivity
- Schedule automatic calibration / bump test
- Optional valve expansion module for up to six gas cylinders
- Optional battery operated printer

### Stand Alone Station

The SDM-6000 is a versatile maintenance tool that automates the service of a GX-6000 portable gas monitor. This docking station can be used as a stand alone device for charging, calibration and bump testing, with all records stored automatically for future upload to a PC via SD card (PC software and SD card included).

### Modular Design

SDM-6000 calibration stations are modular by design and can easily connect to each other without the need of any tubes or cables. One power source and one set of calibration equipment can provide service for up to 10 SDM-6000 calibration stations.

Up to 10 SDM-6000 can also be connected to one PC for automated charging, calibration, bump testing and archiving of data. Even if instruments are turned off, automated routines will power up the instruments and run as scheduled. All data collected from the PC Controlled software can also be centralized in one network location accessible by anyone with the PC Controlled software with access to the network location.



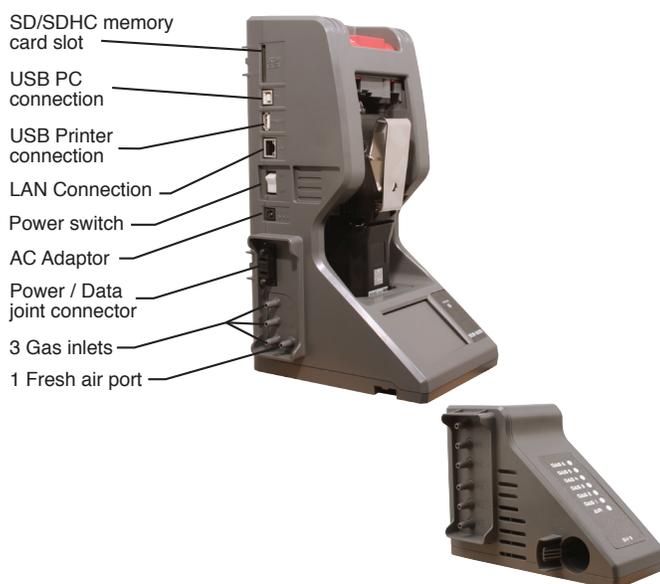
**Modular Design**

## SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Model                           | SDM-6000   |
| Display                         | Touch panel TFT liquid crystal (3.5 inch, 320x240 image element QVGA, RGB1677 million colors) Back light   |
| LED                             | 3 color [Green, Red, Orange]. Each status is indicated by Lighting / Blinking  |
| BUMP test                       | <p><b>Standard setting values</b><br/>           AIR Flush time: 15sec, GAS time: 20sec, AIR Purge time: 5sec<br/>           Threshold value: <math>\pm 50\%</math>, Auto Calibration: OFF, Auto alarm function check: ON<br/>           Auto print: OFF</p> <p><b>Setting range</b><br/>           AIR Flush time: 15~120sec<br/>           GAS time: 20~120sec<br/>           AIR Purge time: 5~120sec<br/>           Threshold value: <math>\pm 10\sim 50\%</math><br/>           Auto calibration: ON, OFF<br/>           Auto alarm function check: ON, OFF<br/>           Auto print: ON, OFF<br/>           Bump test result: Displayed on TFT liquid crystal</p> |
| Calibration                     | <p><b>Standard setting values</b><br/>           AIR Flush time: 30sec, GAS time: 90sec, AIR Purge time: 30sec<br/>           Auto alarm function check: ON, Auto print: OFF</p> <p><b>Setting ranges</b><br/>           AIR Flush time: 15~120sec<br/>           GAS time: 20~120sec<br/>           AIR Purge time: 5~120sec<br/>           Auto alarm function check: ON, OFF<br/>           Auto print: ON, OFF<br/>           Calibration result: Displayed on touch screen display</p>  |
| Power (AC adaptor)              | 100~240VAC~50/60Hz   |
| Dimension, weight               | 5.11"(W) x 13"(H) x 7.2"(D)in Approx. 3.7lb  |
| Operation temperature, humidity | 0~104F, below 95~RH (no condensing)  |
| USB printer port                | A type: Connected with a printer (SII, DPU-S245) via an USB cable  |
| RJ-45 connector                 | Ethernet port for a LAN connection   |
| SD card slot                    | Compatible with SD & SDHC cards  |
| Joint connector                 | Connecting SDM-6000 (Max 10 units) and SV-3  |
| Inlet                           | 4 inlets: GAS 1 / GAS 2 / GAS 3 / AIR  |
| Certification                   | CE marking   |
| Standard Functions              | Charging function, Cal. cap fitting status monitoring function, Power ON function, Alarm activation check function, multi language function (English, German, Japanese, Korean, Russian, Portuguese, Spanish, Italian, French), backlight adjusting function, buzzer function, self-diagnosis function for instruments connection  |
| Standard accessory              | Operating manual, filter, connecting plate, wall mount plate, PC controller software   |
| Software                        | PC controller software included as standard. Windows 7 & 10 compatible   |
| Optional accessory              | SV-3 solenoid valve adds 3 additional calibration gas inputs<br>AC adaptor (15W output), AC adaptor (100W output)<br>Calibration Station utility software<br>Calibration gas & regulators<br>Tubing<br>Battery powered printer   |

## ORDERING INFORMATION

|                 |  |
|-----------------|--|
| Docking Station |  |
| 81-SDM6000      | GX-6000 docking station with particle filter, connection brackets, SD Card, & USB SD card reader.  |
| 81-SDM6000-01   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, and single unit AC adapter   |
| 81-SDM6000-02   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, and multi-unit AC adapter  |
| 81-SDM6000-03   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, single unit AC adapter, demand flow regulator, and cal gas tubing  |
| 81-SDM6000-04   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, single unit AC adapter, demand flow regulator, cal gas tubing, 58AL cyl H2S/CO/CH4/O2, and cylinder holder             |
| 81-SDM6000-05   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, single unit AC adapter, demand flow regulator, cal gas tubing, 58AL cyl isobutylene/H2S/CO/CH4/O2, and cylinder holder |
| 81-SDM6000-06   | Calibration station for SDM-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, single unit AC adapter, demand flow regulator, cal gas tubing, 34AL cyl isobutylene/air, and cylinder holder           |
| 81-SV3          | SV-3 solenoid valve unit, with connection brackets, for 6 cylinder expansion with SDM-6000   |



SV-3 6 cylinder expansion



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