



RIKEN KEIKI

# SDM-6000 DOCKING AND CALIBRATION STATION



## 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 calibration stations 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



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# SDM-6000

## SPECIFICATIONS

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>  AIR Flush time: 15sec, GAS time: 20sec, AIR Purge time: 5sec  Threshold value: <math>\pm 50\%</math>, Auto Calibration: OFF, Auto alarm function check: ON  Auto print: OFF</p> <p><b>Setting range</b>  AIR Flush time: 15~120sec  GAS time: 20~120sec  AIR Purge time: 5~120sec  Threshold value: <math>\pm 10\sim 50\%</math>  Auto calibration: ON, OFF  Auto alarm function check: ON, OFF  Auto print: ON, OFF  Bump test result: Displayed on TFT liquid crystal</p>
Calibration	<p><b>Standard setting values</b>  AIR Flush time: 30sec, GAS time: 90sec, AIR Purge time: 30sec  Auto alarm function check: ON, Auto print: OFF</p> <p><b>Setting ranges</b>  AIR Flush time: 15~120sec  GAS time: 20~120sec  AIR Purge time: 5~120sec  Auto alarm function check: ON, OFF  Auto print: ON, OFF  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: Connects SDM-6000 printer (SII, DPU-S245) via 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, Cal. cap fitting status monitoring, Power ON function, Alarm activation check, multi language (English, German, Japanese, Korean, Russian, Portuguese, Spanish, Italian, French), backlight adjusting, buzzer function, self-diagnosis 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 AC adaptor (15W output), AC adaptor (100W output) Calibration Station utility software Calibration gas & regulators Tubing 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 100 ppm 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 100 ppm isobutylene/air, and cylinder holder
81-SDM6000-07	SDM-6000 calibration station for GX-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 H2S/CO/CH4/O2, and cylinder holder
81-SDM6000-08	SDM-6000 calibration station for GX-6000, includes particle filter, connection brackets, exhaust tubing, USB cable for PC, SD card, USB SD card reader, ethernet cable, single unit AC adapter, 2 demand flow regulators, cal gas tubing, 34AL cyl H2S/CO/CH4/O2, 34AL HCN/N2, and 2 cylinder holders
81-SV3	SV-3 solenoid valve unit, with connection brackets, for 6 cylinder expansion with SDM-6000
Call for additional configurations	



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