Environmental
Remediation Equipment Inc.™

DOCKING AND CALIBRATION STATION

SDM-E2

Stand Alone Station

The SDM-E2 is a versatile maintenance tool for the Eagle 2 portable gas monitor. This docking station can be used as a stand-alone device for charging, calibration and bump testing, with all records automatically stored for future upload to a PC via USB flash drive (PC software and flash drive included).

Modular Design

The SDM-E2 can also be connected to a PC for automated calibration bump testing and archiving of datalog data from Eagle 2 instruments. Up to ten SDM-E2 docking stations can be connected simultaneously using USB cables. The SDM-E2 is also equipped with two gas ports to connect up to two calibration gas mixtures to each dock.

Features

Stand Alone Station
- Stand-alone station (no connection to PC Required)
- Charging (NiMH batteries)
- Calibration
- Bump Test
- Save bump test and calibration records
- Bump test and calibration records copy to USB jump drive
- 2 Calibration gas ports
- Includes PC software for viewing/archiving bump test and calibration records

Multi Module System
- Multiple modules connected to a PC (10 max)
- Charging
- Calibration
- Bump Test
- Configure Eagle 2 parameters
- 2 Calibration gas ports
- Archive Bump Test and Calibration records
- Archive data to network location
- Software controlled data retrieval
- Automatic calibration/bump test option
- Windows 7 compatible

Docking Station	
81-SDME2-01	Calibration station for Eagle 2, model SDM-E2 with AC adaptor, flash drive, USB cable, tubing & installation CD
81-SDME2-02	Calibration station for Eagle 2, model SDM-E2 with AC adaptor, flash drive, USB cable, tubing, installation CD, & demand flow regulator
81-SDME2-03	Calibration station for Eagle 2, model SDM-E2 with AC adaptor, fla sh drive, USB cable, tubing, installationtion CD, demand flow regulator, & 58AL cyl 25 ppm H2S/50 ppm CO/50% LEL CH4/12% O2 in N2
81-SDME2-08-P1	Calibration station for Eagle 2, model SDM-E2 with AC adaptor, flash drive, USB cable, tubing, installation CD, demand flow regulator, 58AL cyl 25 ppm H2S/50 ppm CO/50% LEL CH4/12% O2 in N2, & 103L cyl 10 ppm isobutylene in Air
81-SDME2-08-P2	Calibration station for Eagle 2, model SDM-E2 with AC adaptor, flash drive, USB cable, tubing, installation CD, demand flow regulator, 58AL cyl 25 ppm H2S/50 ppm CO/50% LEL CH4/12% O2 in N2, & 103L cyl 100 ppm isobutylene in Air

*Highlighted features indicate differences between the various versions of the docking stations.

Calibration Gases & Regulators	
33-6010RK-04	CO2 scrubber (required for 0-10,000 ppm or 0-5% CO2 sensors)
81-0002RK-03	Cylinder, H2, 50% LEL in Air, 103L
81-0013RK-05	Cylinder, Methane, 50% volume in N2, 58L steel
81-0071RK-03	Cylinder, CO2, 5000 ppm in N2, 103L
81-0072RK-03	Cylinder, CO2, 2.5% in N2, 103L
81-0073RK-03	Cylinder, CO2, 15% in N2, 103L
81-0078RK-03	Cylinder, N2 100%, 103L
81-0089RK-03	Cylinder, CO 50 ppm / Hexane 15% LEL / O2 12 % in N2, 103L
81-0090RK-03	Cylinder, CO 50 ppm / Methane 50% LEL / O2 12 % in N2, 103L
81-0103RK-03	Cylinder, Isobutylene 100 ppm in Air, 103L
81-0104RK-03	Cylinder, Isobutylene 10 ppm in Air, 103L
81-0142RK-02	Cylinder, SO2 5 PPM / H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 58AL
81-0142RK-04	Cylinder, SO2 5 PPM / H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34AL
81-0151RK-02	Cylinder, H2S 25 ppm in N2, 58AL
81-0154RK-02	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 58AL
81-0155RK-02	Cylinder, H2S 25 ppm / CO 50 ppm / HEX 15% LEL / O2 12% in N2, 58AL
81-0170RK-04	Cylinder, SO2 5 ppm in N2, 34AL
81-1054RK	Regulator, demand flow for 34AL / 58AL / 103L

Specifications	
Input Power	AC Adapter with 100 - 240 VAC, 50/60 Hz, 0.6A input and 112 VDC, 1.2A output provided as standard.
Environmental Conditions	• For Indoor Use Only • -10° C to 40° C, below 80% relative humidity, non condensing
Applicable Instruments	Eagle 2
Maximum Number of Records Saved	200
3 Ports	Connect up to 2 calibration gas cylinders to each station
Standard Accessories	• AC adapter • USB flash drive • Single module data viewer software • SDM Docking station PC controller software • Inlet air filter • Instrument manual • 10' exhaust tube

FRONT VIEW

BACK VIEW

Control Panel View