

Docking Stations for Multi-Gas Detectors



The MuniDock (MP420T) and MUNI CaliCase (MP342) are docking and calibration stations for the MUNI Multi-Gas Detectors. The MP420T is a single docking box for one instrument and the MP342 handles up to four MUNIs simultaneously. They both provide the three functions of 1) semi-automated calibration or bump testing, 2) data downloading and 3) uploading instrument configuration. All calibrations and bump tests performed on the docking units are stored in on-board memory as a compliance record. Operation is simple: after initial set up, just place the MUNI in the bay in communication mode, and push start. All calibrations and bump test results are stored in on-board memory as a compliance record downloadable separate from the instruments themselves. The docking stations are designed to operate with the four commonly measured gases oxygen (O₂), carbon monoxide (CO), hydrogen sulfide (H₂S), methane (CH₄), plus a second gas input for alternate gases. These stations have rechargeable batteries and are portable for remote use.

Features, Functions and Benefits

- **Simple & Fast:** One-button operation for either bump test or calibration
- **High Capacity:** 2,000 calibration or bump record storage in reliable FLASH Memory
- **Convenient:** Records can be downloaded without the MUNI in place
- **Portable:** Battery power for up to 1000 bump tests
- **Robust:** All-in-one hard case s



MuniDock

MUNI MuniDock and MUNI CaliCase Specifications

MuniDock MP420T Specifications

Size	9.2 x 7.5 x 4.3 in (23.5 x 19.0 x 10.7 cm)
Weight	4.4 lbs. (2.0 kg)
Number of Units	One (1) MUNI Monitor
Battery	Rechargeable Lithium battery, up to 1000 bump tests on a single charge
Temperature	32°F to 122°F (0°C to 50°C)
Humidity	5 to 95% relative humidity (non-condensing)
Event Log	2000 Calibration or Bump records
Power Connection	On-board battery rechargeable by 12V DC wall adapter or on PC using USB (Type A) charge/comm cable
Communications	USB (Type A)
Test Gas Supply	<ul style="list-style-type: none"> • Cylinder(s) & regulator(s) (not included) outside MuniDock • Demand flow regulator(s) required • Built-in pump for air or test gas
Gas Connections	<ul style="list-style-type: none"> • Quick-connects for 6-mm o.d. tubing: • 2 Test gas inlets for calibration/bump • Air inlet for zeroing • Gas outlet for safe exhaust
Calibration Gases	<ul style="list-style-type: none"> • Gas mix with up to 4 gases: <ul style="list-style-type: none"> • Oxygen • Carbon Monoxide • Hydrogen Sulfide • Methane • Alternate gases including Hydrogen Cyanide and Sulfur Dioxide
Safety Certifications	For use in non-hazardous locations
Warranty	1 year

CaliCase (MP342) Specifications

Size	21.9 x 14.1 x 7.3 in (55.6 x 35.8 x 18.5 cm)
Weight	20 lbs. (9.1 kg)
Number of Units	Up to Four (4) MUNI Monitors
Battery	Rechargeable Lithium battery, up to 1000 bump tests (4000 instrument tests) on a single charge
Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	5 to 95% relative humidity (non-condensing)
Event Log	100,000 Calibration or Bump records
Power & Communications Connection	USB (Type A). On-board battery rechargeable by 12V DC wall adapter
Test Gas Supply	<ul style="list-style-type: none"> • Cylinder (not included) & regulator inside CaliCase • Built-in pump for air or test gas
Gas Connections	<ul style="list-style-type: none"> • C-10 Demand-flow regulator and all gas supply connections included • Exhaust outlet hose barb for guiding toxic gases away from operator
Cylinder Specifications	<ul style="list-style-type: none"> • Max 14.25 x 3.5 in. (36.2 x 8.9 cm) • Pressure ≤1300 psi • CGA C-10 connection
Recommended Gases	<ul style="list-style-type: none"> • Gas mix with up to 4 gases: <ul style="list-style-type: none"> • Oxygen • Carbon Monoxide • Hydrogen Sulfide • Methane • Alternate gases including Hydrogen Cyanide and Sulfur Dioxide
Safety Certifications	For use in non-hazardous locations
Warranty	1 year

* Due to ongoing research and product improvement, specifications are subject to change without notice *