

Docking Stations for Single Gas Detectors



The UNI Docking Box (MP100T) and UNI CaliCase (MP300T1) are docking and calibration stations for the UNI and UNI 321 Single Gas Detectors. The MP100T is a single docking box for one instrument and the MP300T1 handles up to four UNIs simultaneously. They both provide the three functions of 1) semi-automated calibration or bump testing, 2) data downloading and 3) uploading instrument configuration. In addition, all calibrations and bump tests performed on the docking units are stored in on-board memory as a compliance record. The docking stations are designed to handle the most commonly measured gases such as oxygen (O₂), carbon monoxide (CO), hydrogen sulfide (H₂S), ammonia (NH₃), hydrogen cyanide (HCN) and sulfur dioxide (SO₂). Both docking systems have rechargeable batteries and are portable for remote use.

Features, Functions and Benefits

- Bump testing, calibration, configuration and data recording on a single platform
- Simple, single-button operation
- Fast – up to 4 units bumped or calibrated simultaneously (on MP300T1)
- 1999 or 100,000 calibration or bump record storage
- Portable, using battery power for up to 1000 bump tests
- Robust – All-in-one hard case



UNI Docking Box

UNI Docking Box and CaliCase Specifications

Single Docking Box MP100T Specifications

Size	9.2 x 7.5 x 4.3 in (23.5 x 19.0 x 10.7 cm)
Weight	3.3 lbs. (1.5 kg)
Number of Units	One (1)
Battery	Rechargeable Lithium battery, up to 1000 bump 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	1999 Calibration or Bump records
Power & Communications Connection	USB (Type A)
Test Gas Supply	<ul style="list-style-type: none"> • Cylinder & demand flow regulator (not included) outside Docking Box • Built-in pump for air or test gas
Gas Connections	<ul style="list-style-type: none"> • Quick-connects for 6-mm o.d. tubing: • Test gas inlet for calibration/bump • Air inlet for zeroing • Exhaust outlet for guiding toxic gases away from operator
Recommended Gases*	<ul style="list-style-type: none"> • Oxygen • Carbon Monoxide • Hydrogen Sulfide • Ammonia • Hydrogen Cyanide • Nitric Oxide • Sulfur Dioxide • Methyl Mercaptan
Safety Certifications	For use in non-hazardous locations
Warranty	1 year

CaliCase (MP300T1) 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)
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)
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 ≤725 psi • CGA C-10 connection
Recommended Gases*	<ul style="list-style-type: none"> • Oxygen • Carbon Monoxide • Hydrogen Sulfide • Ammonia • Hydrogen Cyanide • Nitric Oxide • Sulfur Dioxide • Methyl Mercaptan
Safety Certifications	For use in non-hazardous locations
Warranty	1 year

* Not recommended for reactive gases such as chlorine, chlorine dioxide, ethylene oxide, hydrogen chloride, hydrogen fluoride, nitrogen dioxide, ozone, and phosphine.