

MUNI MP420

Compact & Lightweight 4-Gas Monitors

The MUNI MP420 is a compact and lightweight 4-gas detector for worker safety at hazardous locations, with four standard sensors for oxygen (lead-free, O₂), combustibles (LEL), carbon monoxide (CO) and hydrogen sulfide (H₂S). Alternative sensors are low power infrared methane (CH₄), sulfur dioxide (SO₂), and hydrogen cyanide (HCN).

The detector is packaged in a robust housing with no moving parts. Its battery power offers 2 work shifts of run time for a standard 4-gas detector, and extended run time using a low-power infrared sensor. The simple, 2-button operation results in ultimate ease of use and significantly reduced time spent training the user.

WHATS INCLUDED

- MP420 detector including rechargeable Li+ battery, selected sensors and alligator clip
- AC Charging adapter
- Calibration cap
- USB Communication cable
- Quick start guide
- Calibration certificate

OPTIONAL

- External filters
- BLE Wireless
- MuniDock MP420T bump & calibration station



KEY FEATURES

- Compact, robust, lightweight & wearable
- Auto backlit LCD with large numeric digits
- Easy-to-navigate menu with two buttons
- Up to 4 replaceable sensors out of 7 choices; non-interchangeability reduces monitor cost
- Battery operation 24 hours with pellistor LEL sensor; extended time with low-power infrared LEL sensor
- Tri-color status indicators on regular self-diagnosis of sensor, battery & circuit
- Wide angle LED alarms
- 1000 Events log
- Combination charge adapter / micro-USB PC interface cable
- IP-68 weather ingress rating
- Optional BLE wireless connectivity
- Optional MuniDock or CaliCase for convenient bump & calibration



▲ MUNI Docking Box



▲ MUNI4-Bay CaliCase Docking Station

MUNI MP420

SPECIFICATIONS

Specifications subject to change without notice

Dimensions	110 x 60 x 28 mm
Weight	230 g
Standard sensors	O ₂ (lead-free), LEL (catalytic pellistor), CO, H ₂ S
Alternative sensors	O ₂ (Galvanic), low-power infrared CH ₄ (LEL), SO ₂ , HCN
Sensor note	Sensors are NOT interchangeable. Configuration must be determined at time of purchase
Battery	Rechargeable Li-ion pack (soldered to circuit board, service centre replacement only)
Battery runtime	24 hours (pellistor LEL). Extended runtime with infrared CH ₄ sensor
Operating temperature	-20°C to 50°C
Humidity	0 to 95% RH non-condensing
Alarms	Audible 95 dB at 30 cm, visual (red flashing), vibration
Calibration	Manual with calibration cup. MuniDock MP420T single-bay or CaliCase MP342 4-bay for automated bump testing, calibration, configuration and certificate printing
Datalogging	1,000 events covering alarms, function tests and calibrations
Communication	USB cable for PC data download, instrument setup and firmware upgrades. Optional BLE wireless
IP rating	IP-67
Certifications	IECEx Ex da ia IIC T4 Ga, ATEX II 1G Ex da ia IIC T4 Ga, Class I Div 1 Groups ABCD T4 cULus, INMETRO, KCs, CE EMC/RFI
Warranty	2 years including sensors (standard configuration). 3 years for CH ₄ (NDIR)/O ₂ lead-free/H ₂ S/CO configuration



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