

# M40 Multi - Gas Detector

**CASELLA**  
CEL

## Safety in Hazardous Environments



Instrument shown real size

### FEATURES

- 1 to 4 gas monitoring for O<sub>2</sub>, H<sub>2</sub>S, CO & combustible gases
- 18 hr runtime via lithium-ion
- Includes vibrating, 90 dB audible, and LED visual alarms
- On board data logging
- Two-year all inclusive warranty

### INTRODUCTION

Casella CEL are pleased to offer the M40, a versatile multi-gas monitor capable of detecting CO, H<sub>2</sub>S, O<sub>2</sub> and combustible gases for a wide variety of hazardous and confined space applications.

The M40 is housed in a rugged, impact-resistant case to provide superior performance and durability in harsh environments and resistance to radio frequency and electromagnetic interference. Its four button interface provides simple, intuitive operation and calibration, and the five-second "Off" feature prevents unintentional shut-offs. The unit's compact size and economical price make it an ideal personal monitoring instrument.

Other standard features include a vibrating alarm, lithium-ion battery, peak / hold readings, large LCD, 75 hour data logging capacity, and belt clip. An optional compact sampling pump enables remote sampling from up to 50 feet away. The M40 carries a two-year warranty.



Optional MCal 401  
Calibration Station shown  
with M40/SP40 Bay

M40 Multi-Gas Monitor  
shown with optional SP40  
Sampling Pump attached



## SPECIFICATIONS

**CASE:** High-visibility, impact resistant composite – RFI, EMI and ingress protection tested and approved

**DIMENSIONS:** 4.30”h x 2.45”w x 1.37”d  
(10.9cm x 6.22cm x 3.48cm)

**WEIGHT:** 8.6 ounces (244 g)  
Weight with pump: 11.6 ounces (326 g)

**SENSORS:** The M40 is available in a 1, 2, 3, or 4-gas configuration including oxygen, hydrogen sulfide, carbon monoxide and combustibles /hydrocarbons.

**MEASURING RANGES:** CO range: 0-999 ppm in 1 ppm increments  
H<sub>2</sub>S range: 0-500 ppm in 1 ppm increments  
O<sub>2</sub> range: 0-30% volume in 0.1% increments  
Combustibles: 0-100% LEL in 1% increments  
The M40 features LEL over-range protection

**POWER SOURCE:** Rechargeable lithium-ion integral battery

**RUNTIME:** 18 hour – instrument (non-alarm)  
12 hour – instrument with pump (non-alarm)

**DISPLAY:** Large LCD provides simultaneous and continuous readout of up to all four gases. Large, high-contrast characters, graphic icons and unique amber backlight provide clear display visibility in low-light conditions.

**ALARMS:** Vibrating, 90 dB audible and ultra-bright LED visual alarms. High/low, STEL, TWA and low battery alarms. Flow alarm indicator when used with optional SP40 pump.

**DATALOGGING:** Up to 75 hours of datalogging capability

**TEMPERATURE RANGE:** -4° to 122°F (-20° to 50°C)

**HUMIDITY RANGE:** 15 to 95% RH, typical, 0 to 99% RH intermittent (non-condensing)

**IP RATING:** IP65

**APPROVALS:** UL – Class I, Div. I, Groups A, B, C, D; T4  
CSA – Class I, Div. I, Groups A, B, C, D; T4  
Cenelec (ATEX) – EEx ia d IIC T4  
Australia – Ex ia s Zone 0 IIC T4

### Ordering Information:

J202033 M40 – O<sub>2</sub>, LEL, CO, H<sub>2</sub>S  
J202034 M40 – O<sub>2</sub>, LEL, H<sub>2</sub>S  
J202035 M40 – O<sub>2</sub>, LEL, CO  
J202036 M40 – O<sub>2</sub>, LEL  
J202037 M40 – LEL

### All monitors include:

- compact charger
- calibration cup
- tubing
- leather carrying case
- cell-phone style belt clip
- suspender clip- instruction manual

### M40 with SP40 pump combinations:

Delivered with universal charger, calibration cup, tubing, dust filter / water stop, combo monitor / pump leather carrying case, cell-phone style belt clip, suspender clip and instruction manual

J202039 M40 / SP40 Pump Combination - O<sub>2</sub>, LEL, CO, H<sub>2</sub>S  
J202040 M40 / SP40 Pump Combination - O<sub>2</sub>, LEL, H<sub>2</sub>S  
J202041 M40 / SP40 Pump Combination - O<sub>2</sub>, LEL, CO  
J202042 M40 / SP40 Pump Combination - O<sub>2</sub>, LEL  
J202043 M40 / SP40 Pump Combination - LEL

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SM 08009 Aug 2008