



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

Industrial Scientific is 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 M40's 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 datalogging capacity, and belt clip. An optional compact parasitic sampling pump enables remote sampling from up to 50 feet away. The M40 carries a two-year warranty.

## SPECIFICATION

### Case:

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

### Dimensions:

10.9 cm x 6.22 cm x 3.48 cm (4.30"h x 2.45"w x 1.37"d)

### Weight:

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

### Sensors:

Combustible Gases – Catalytic Diffusion  
Oxygen and Toxic Gases – Electrochemical

### Measuring Ranges:

Combustibles – 0 to 100% LEL in 1% increments  
Methane – 0 to 5% of volume in 0.1% increments (M40•M only)  
Oxygen – 0 to 30% of volume in 0.1% increments  
Carbon Monoxide – 0 to 999 ppm in 1 ppm increments  
Hydrogen Sulfide – 0 to 500 ppm in 1 ppm 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:

-20° to 50°C (-4° to 122°F)

### Humidity Range:

15 to 95% RH, typical, 0 to 99% RH intermittent (non-condensing)

### IP Rating:

IP64

### Approvals:

UL – Class I, Groups A,B,C,D T4; Class I, Zone 1, AEx ia d IIC T4  
CSA – Class I, Groups A,B,C,D T4  
MSHA (M40•M only) – Intrinsically safe for Methane/Air mixtures only  
ATEX – EEx ia d IIC T4  
Equipment Group and Category II 2G  
Australia – Ex ia s Zone 0 IIC T4  
Russia – GOST R  
INMETRO – BR - Ex ia d IIC T4

PART NUMBER	DESCRIPTION
18105437-01111*	M40 – Four gas configuration for O <sub>2</sub> , LEL, CO, H <sub>2</sub> S
18105437-01110*	M40 – Three gas configuration for O <sub>2</sub> , LEL, H <sub>2</sub> S
18105437-01101*	M40 – Three gas configuration for O <sub>2</sub> , LEL, CO
18105437-00110*	M40 – Two gas configuration for H <sub>2</sub> S, LEL
18105437-01100*	M40 – Two gas configuration for O <sub>2</sub> , LEL
18105437-00100*	M40 – Combustible gas configuration for LEL only
18105437-11111+	M40 and Pump Combination for O <sub>2</sub> , LEL, CO, H <sub>2</sub> S
18105437-11110+	M40 and Pump Combination for O <sub>2</sub> , LEL, H <sub>2</sub> S
18105437-11101+	M40 and Pump Combination for O <sub>2</sub> , LEL, CO
18105437-11100+	M40 and Pump Combination for O <sub>2</sub> , LEL
18105437-10100+	M40 and Pump Combination for LEL
M40-KIT-11111**	M40 Confined Space Kit (with Pump) – O <sub>2</sub> , LEL, CO, H <sub>2</sub> S
M40-KIT-11101**	M40 Confined Space Kit (with Pump) – O <sub>2</sub> , LEL, CO
M40-KIT-11110**	M40 Confined Space Kit (with Pump) – O <sub>2</sub> , LEL, H <sub>2</sub> S
18105973-ABX++	M•Cal406™ – Six-Unit Calibration Station
18105965-10X++	M•Cal401™ – Single-Unit Calibration Station (with M40 Bay)
18105965-01X++	M•Cal401™ – Single-Unit Calibration Station (with M40/SP40 Bay)
18105460	SP40 Sampling Pump
18106062	M40 Constant-Flow Hand Aspirated Pump
18105528	M40 Datalink
18105478	M40 Nylon Carrying Case
18105486	M40/SP40 Combination Carrying Case
18106393	Single Unit Compact Charger, Universal
18105502	Single Unit Automotive Charger, 12 VDC
18105510	Six-Unit Charger
18106229-1	M40 Truck-Mount Charger, 12V
18106229-2	M40/SP40 Truck-Mount Charger, 12V
18106237-1	M40 Truck-Mount Charger, (hard-wired)
18106237-2	M40/SP40 Truck-Mount Charger, (hard-wired)
17092941	Metal Belt Clip
17107582	Suspender Clip
18106070	CO Breath Sampler for M40

**++M•Cal™ Calibration Station Ordering Information –**

A = # of M40 Bays (0-6), B = # of M40/SP40 Bays (0-6),  
X = Power Cord (0 = N. Amer., 1 = U.K., 2 = Eur, 3 = AUS)

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



*Optional M-Cal401 Calibration Station shown with M40/SP40 Bay*

**All monitors include\*:**

- compact charger
- calibration cup
- tubing
- leather carrying case
- suspender clip
- instruction manual

**All monitor/pump combinations include\*:**

- compact charger
- calibration cup
- tubing
- suspender clip
- instruction manual
- combo monitor/pump leather carrying case

**All confined space kit combinations include\*\*:**

- compact charger
- calibration cup
- tubing
- utility case
- gas cylinder
- suspender clip
- regulator valve
- water barrier assembly
- filter
- instruction manual
- combo monitor/pump leather carrying case