



M40

MULTI-GAS MONITOR

- 1 to 4 gas monitoring for O₂, H₂S, CO and combustible gases
- 18-hour runtime with lithium-ion battery
- Includes vibrating, 90 dB audible, and LED visual alarms
- Two-year, all inclusive warranty

M40/SP40 Combination



SPECIFICATIONS

CASE:

High-visibility, impact resistant composite – RFI, EMI & IP65 approved

DIMENSIONS:

10.9 cm x 6.22 cm x 3.48 cm (4.30" x 2.45" x 1.37")

WEIGHT:

244 g (8.6 oz). Weight with pump: 326 g (11.6 oz)

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

POWER SOURCE (RUN TIME):

Rechargeable Lithium-ion (Li-ion) Integral Battery
(18 hours typical, 12 hours with SP40 parasitic pump)

DATALOGGING:

Up to 75 hours of datalogging capability

TEMPERATURE RANGE:

-20°C to 50°C (-4°F to 122°F)

HUMIDITY RANGE:

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

Industrial Scientific is pleased to offer the M40, a versatile multi-gas monitor capable of detecting CO, H₂S, O₂, 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 with graphic icons, 75 hour datalogging capacity, and belt clip. An optional compact parasitic sampling pump enables remote sampling from up to 50 feet away.

The M40 Confined Space Kit provides all the equipment necessary to operate and maintain the M40 Multi-Gas Monitor in everyday confined space applications. Each kit includes the M40 monitor, SP40 sampling pump, combination carrying case, compact charger, calibration gas, regulator, replacement filters and sample tubing ... everything you need to ensure that the instrument is ready to help keep you safe in the confined space while you focus on getting the job done. The M40 carries a two-year warranty.

APPROVALS



UL – Class I, Groups A,B,C,D T4; Class I, Zone 0, 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

SUPPLIED WITH MONITOR

Compact charger, calibration cup, tubing, leather carrying case, cell-phone style belt clip, suspender clip and instruction manual.

SUPPLIED WITH MONITOR/PUMP COMBINATION

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

SUPPLIED WITH CONFINED SPACE KIT

Compact charger, calibration cup, tubing, gas cylinder, regulator valve, cell-phone style belt clip, water barrier assembly, filter, combo monitor/pump leather carrying case, utility case and instruction manual.

M40 ORDERING INFORMATION

PART #	DESCRIPTION
18105437-01111	M40 – O ₂ , LEL, CO, H ₂ S
18105437-01110	M40 – O ₂ , LEL, H ₂ S
18105437-01101	M40 – O ₂ , LEL, CO
18105437-00110	M40 – H ₂ S, LEL
18105437-01100	M40 – O ₂ , LEL
18105437-00100	M40 – LEL
18105437-11111	M40/SP40 Pump Combination – O ₂ , LEL, CO, H ₂ S
18105437-11110	M40/SP40 Pump Combination – O ₂ , LEL, H ₂ S
18105437-11101	M40/SP40 Pump Combination – O ₂ , LEL, CO
18105437-11100	M40/SP40 Pump Combination – O ₂ , LEL
18105437-10100	M40/SP40 Pump Combination – LEL
M40-KIT-11111	M40 Confined Space Kit (w/Pump) – O ₂ , LEL, CO, H ₂ S
M40-KIT-11101	M40 Confined Space Kit (w/Pump) – O ₂ , LEL, CO
M40-KIT-11100	M40 Confined Space Kit (w/Pump) – O ₂ , LEL, H ₂ S



The M40 Confined Space Kits provide all the equipment you need to operate and maintain the M40 Multi-Gas Monitor in everyday confined space applications.



The MSHA-approved M40•M multi-sensor monitor is designed for use in mines and other work environments to assure optimum personal protection against oxygen (O₂) deficiency and enrichment, hazardous levels of methane gas (CH₄), as well as toxic levels of carbon monoxide (CO) and, if applicable, hydrogen sulfide (H₂S).

M40•M ORDERING INFORMATION

PART #	DESCRIPTION
18105940-01111	M40•M – O ₂ , CH ₄ , CO, H ₂ S
18105940-01110	M40•M – O ₂ , CH ₄ , H ₂ S
18105940-01101	M40•M – O ₂ , CH ₄ , CO
18105940-01100	M40•M – O ₂ , CH ₄
18105940-00100	M40•M – CH ₄
18105957	SP40•M Motorized Sampling Pump
18105940-11111	M40•M/SP40•M Pump Combination – O ₂ , CH ₄ , CO, H ₂ S
18105940-11110	M40•M/SP40•M Pump Combination – O ₂ , CH ₄ , H ₂ S
18105940-11101	M40•M/SP40•M Pump Combination – O ₂ , CH ₄ , CO
18105940-11100	M40•M/SP40•M Pump Combination – O ₂ , CH ₄
M40MKIT-11111	M40•M Confined Space Kit (w/Pump) – O ₂ , CH ₄ , CO, H ₂ S
M40MKIT-11110	M40•M Confined Space Kit (w/Pump) – O ₂ , CH ₄ , H ₂ S
M40MKIT-11101	M40•M Confined Space Kit (w/Pump) – O ₂ , CH ₄ , CO
M40MKIT-11100	M40•M Confined Space Kit (w/Pump) – O ₂ , CH ₄

OPTIONAL ACCESSORIES

PART #	DESCRIPTION
18105460	SP40 Motorized Sampling Pump
18106062	M40 Constant-Flow Hand Aspirated Pump
18105528	M40 Datalink
18105478	M40 Nylon Carrying Case
18105486	M40/SP40 Combination Nylon Carrying Case
18106393	Single-Unit Compact Charger, Universal
18105502	Single-Unit Automotive Charger, 12 VDC
18105510	6-Unit Charger w/Flying Leads & Cradle for M40
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