

# M40

MULTI-GAS MONITOR



Monitor shown actual size

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.

- 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

## SPECIFICATIONS

<b>CASE:</b>	High-visibility, impact resistant composite – RFI, EMI and ingress protection tested and approved	<b>DISPLAY:</b>	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.
<b>DIMENSIONS:</b>	4.30"h x 2.45"w x 1.37"d (10.9cm x 6.22cm x 3.48cm)	<b>ALARMS:</b>	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.
<b>WEIGHT:</b>	8.6 ounces (244 g) Weight with pump: 11.6 ounces (326 g)	<b>DATALOGGING:</b>	Up to 75 hours of datalogging capability
<b>SENSORS:</b>	The M40 is available in a 1, 2, 3, or 4-gas configuration including oxygen, hydrogen sulfide, carbon monoxide and combustibles /hydrocarbons.	<b>TEMPERATURE RANGE:</b>	-4° to 122°F (-20° to 50°C)
<b>MEASURING RANGES:</b>	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	<b>HUMIDITY RANGE:</b>	15 to 95% RH, typical, 0 to 99% RH intermittent (non-condensing)
<b>POWER SOURCE:</b>	Rechargeable lithium-ion integral battery	<b>IP RATING:</b>	IP65
<b>RUNTIME:</b>	18 hour – instrument (non-alarm) 12 hour – instrument with pump (non-alarm)	<b>APPROVALS:</b>	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

REV1205

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## M40 COMMON CONFIGURATIONS AND OPTIONAL ACCESSORIES

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
18105528	M40 Datalink
18105478	M40 Nylon Carrying Case
18105486	M40/SP40 Combination Carrying Case
18105494	Compact Charger 120 VAC
18105668	Compact Charger 230 VAC
18105890	UK Compact Charger 230 VAC
18105908	AUS Compact Charger 230 VAC
18105502	12 VDC Automotive Charger
18105510	Six-Unit Charger
17092941	Metal Belt Clip
17107582	Suspender Clip

++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)

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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
- cell-phone style belt clip
- suspender clip
- instruction manual

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

- compact charger
- calibration cup
- tubing
- cell-phone style belt clip
- 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
- cell-phone style belt clip
- suspender clip
- regulator valve
- water barrier assembly
- filter
- instruction manual
- combo monitor/pump leather carrying case