

M40•M

MULTI-GAS MONITOR



Monitor shown actual size

The 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).

The M40•M 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•M's five-second "Off" feature prevents unintentional shut-offs.

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•M carries a two-year warranty.

- 1 to 4 gas monitoring for O₂, H₂S, CO & CH₄
- 18-hour runtime with lithium-ion battery
- Includes vibrating, 90 dB audible, and LED visual alarms
- Two-year, all inclusive warranty
- MSHA approved

SPECIFICATIONS

CASE:	Rugged, impact resistant composite – RFI, EMI and ingress protection tested and approved	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 underground conditions.
DIMENSIONS:	4.30"h x 2.45"w x 1.37"d (10.9cm x 6.22cm x 3.48cm)	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•M pump.
WEIGHT:	8.6 ounces (244 g) Weight with pump: 11.6 ounces (326 g)	DATALOGGING:	Up to 75 hours of datalogging capability
SENSORS:	The M40•M is available in a 1, 2, 3, or 4-gas configuration including oxygen, hydrogen sulfide, carbon monoxide and methane.	TEMPERATURE RANGE:	-4° to 122°F (-20° to 50°C)
MEASURING RANGES:	CO range: 0-999 ppm in 1 ppm increments H ₂ S range: 0-500 ppm in 1 ppm increments O ₂ range: 0-30% volume in 0.1% increments CH ₄ range: 0-5% volume in 0.1% increments The M40•M features over-range protection	HUMIDITY RANGE:	15 to 95% RH, typical, 0 to 99% RH intermittent (non-condensing)
POWER SOURCE:	Rechargeable lithium-ion integral battery	IP RATING:	IP65
RUNTIME:	18 hour – instrument (non-alarm) 12 hour – instrument with pump (non-alarm)	APPROVAL:	MSHA – Intrinsically safe for methane/air mixtures only

M40•M COMMON CONFIGURATIONS AND OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
18105940-00100*	M40•M – Single gas configuration for CH ₄
18105940-01100*	M40•M – Two gas configuration for O ₂ , CH ₄
18105940-01101*	M40•M – Three gas configuration for O ₂ , CH ₄ , CO
18105940-01110*	M40•M – Three gas configuration for O ₂ , CH ₄ , H ₂ S
18105940-01111*	M40•M – Four gas configuration for O ₂ , CH ₄ , CO, H ₂ S
18105940-11100+	M40•M and Pump Combination for O ₂ , CH ₄
18105940-11101+	M40•M and Pump Combination for O ₂ , CH ₄ , CO
18105940-11110+	M40•M and Pump Combination for O ₂ , CH ₄ , H ₂ S
18105940-11111+	M40•M and Pump Combination for O ₂ , CH ₄ , CO, H ₂ S
M40MKIT-11100**	M40•M Kit (with Pump) – O ₂ , CH ₄
M40MKIT-11101**	M40•M (with Pump) – O ₂ , CH ₄ , CO
M40MKIT-11110**	M40•M Kit (with Pump) – O ₂ , CH ₄ , H ₂ S
M40MKIT-11111**	M40•M Kit (with Pump) – O ₂ , CH ₄ , CO, H ₂ S
18105965-10X++	M•Cal401™ – Single-Unit Calibration Station (with M40•M Bay)
18105965-01X++	M•Cal401™ – Single-Unit Calibration Station (with M40•M/SP40•M Bay)
18105973-ABX++	M•Cal406™ – Six-Unit Calibration Station
18105957	SP40•M Sampling Pump
18105528	M40•M Datalink
18105478	M40•M Nylon Carrying Case
18105486	M40•M/SP40•M Combination Carrying Case
18106393	Single-Unit Compact Charger, Universal
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•M Bays (0-6), B = # of M40•M/SP40•M Bays (0-6).
X = Power Cord (0 = N. Amer., 1 = U.K., 2 = Eur, 3 = AUS)

REV0408



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

***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

Optional M•Cal401 Calibration Station shown with M40•M Bay