

SPECTRUM Series

PERSONAL GAS DETECTORS

FEATURES

- Compact Design
- Backlit Digital Display
- "Intelli-Cal" Calibration Procedure
- Dual-Level Alarms
- Password Protected Maintenance Functions
- Audio and Visual Alarms
- RFI Resistant
- Low Battery Alarm
- Durable Aluminum Enclosure

SPECIFICATIONS

Size:	4.3 x 2.4 x 1.2 inches (110 x 60 x 30 mm)
Weight:	12 ounces (340 g)
Enclosure:	Cast aluminum for durability and RFI suppression
Power:	Supplied with replaceable 9 volt alkaline battery (also accepts nicad)
Display:	8 Character, high contrast dot matrix LCD with backlight
Sensor:	Electrochemical
Alarm Points:	Two (high/low), audio & visual
Audible Alarm:	90 dB at 10 cm, confidence chirp every 30 seconds
Visual Alarm:	Red LED
Temp. Range:	14 to 113° F (-10 to +45° C)



Actual size

SPECTRUM Series instruments are compact, durable and microprocessor-based personal gas monitors. These gas detectors are designed for a variety of applications including use by firefighters, inspectors, emergency service personnel, and in industrial applications such as, wastewater treatment facilities, pulp, paper and steel mills.

Instruments are readily available for monitoring CO, H₂S, Cl₂, O₃, SO₂, NH₃, NO₂, NO, HCl, H₂, HF, AsH₃, SiH₄ and O₂. Please contact ENMET for more information on a specific gas not listed on this brochure.



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ORDERING INFORMATION

INSTRUMENT PART NUMBERS & SPECIFICATIONS

Part No.	Gas Detected	Range	LDL (3)	Alarm 1 (4)	Alarm 2 (5)	Life (6)
04810-0100 (1)	Chlorine, Cl ₂	10.0 ppm	0.5 ppm	1 ppm	5 ppm	1-2 years
04810-0200	Hydrogen sulfide, H ₂ S	200 ppm	5 ppm	10 ppm	25 ppm	2-3 years
04810-0400 (1)	Hydrogen chloride, HCl	20.0 ppm	1 ppm	5 ppm	10 ppm	1 year
04810-0500	Sulfur dioxide, SO ₂	20.0 ppm	1 ppm	5 ppm	10 ppm	2-3 year
04810-0700 (2)	Hydrogen fluoride, HF	10.0 ppm	1 ppm	3 ppm	6 ppm	1 year
04810-0800 (2)	Ozone, O ₃	0.99 ppm	0.05 ppm	0.10 ppm	0.20 ppm	1 year
04810-1100	Oxygen, O ₂	25.0% V	0.3% V	19.5% V	23.5% V	1-2 years
04810-1200	Carbon monoxide, CO	1000 ppm	5 ppm	35 ppm	200 ppm	2-3 years
04810-1500	Hydrogen, H ₂	1000 ppm	30 ppm	200 ppm	750 ppm	2-3 years
04810-1700	Nitrogen dioxide, NO ₂	10.0 ppm	1.5 ppm	3 ppm	5 ppm	1-2 years
04810-1750	Nitric oxide, NO	100 ppm	5 ppm	25 ppm	50 ppm	1-2 years
04810-2400	Ammonia, NH ₃	100 ppm	7 ppm	25 ppm	50 ppm	1 year
04810-4001(1)	Arsine, AsH ₃	0.99 ppm	0.05 ppm	0.05 ppm	0.10 ppm	1 year
04810-4003	Silane, SiH ₄	30 ppm	4 ppm	5 ppm	10 ppm	1 year

(1) For best performance, it is recommended that a sample pump be used (see P/N 03700-029 Pump and 03620-018 Adapter below)

(2) Requires a sample pump (see P/N 03700-029 Pump and 03620-018 Adapter below)

(3) Lower Detectable Limit calculated from baseline noise level, thermal drift and interference data used to derive zero point deviation estimates

(4) Alarm adjustable, audio alarm acknowledgeable (can be silenced)

(5) Audio alarm reactivation, not acknowledgeable (cannot be silenced)

(6) Typical sensor life

CALIBRATION HARDWARE*

Description	Part No.
Gas Regulator Ass'y for 34 liter Cylinder	02506-002
Gas Regulator Ass'y for 17 liter Cylinder	02506-004
Calibration/Aspirator Cover (not supplied with instrument)	03620-011
Calibration Equipment Case	73083-000

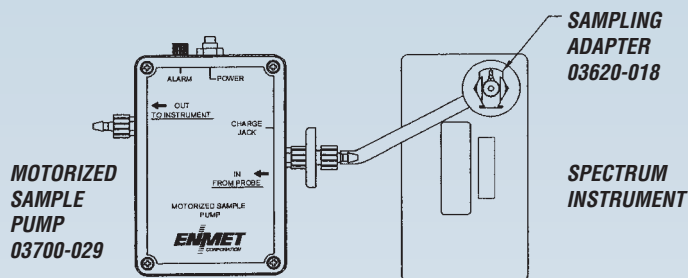
*For information on Calibration Gases, see Product Price List.

REPLACEMENT PARTS & ACCESSORIES

Instrument Case	04811-000
Motorized Sample Pump, w/charger for non-reactive gases (requires P/N 03620-011 Cover)	03700-011
Motorized Sample Pump w/charger for reactive gases (requires P/N 03620-018 Sampling Adapter)	03700-029
Sampling Adapter for Motorized Pump	03620-018
Lithium Battery, 9V, for oxygen	67012-002
Alkaline Battery, 9V	67012-003
Instrument Manual for SPECTRUM	80012-011



Calibration Equipment including adapter, gas regulators, 17 and 34 liter gas cylinders* and carrying case.



Sample Draw System for Reactive Gases

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

