

Advanced Technology Ensures High Performance

Mini-sized. Automatic sampling type.

COMBINATION COMBUSTIBLE GAS/OXYGEN/TOXIC GAS DETECTOR

MODEL

XPO-317 COSMOTECTOR®



Photo: actual size



NEW COSMOS ELECTRIC CO., LTD.

FEATURES

- **Three measurements with one unit**
Combustible gas, oxygen deficiency and toxic gas (H₂S or CO) can be detected with one unit.
- **Compact and lightweight**
Compact in size, simple in design, weights only 850g.
- **Distinctive alarm**
Alarms distinguish between oxygen deficiency and combustible gas.
- **Direct reading for toxic gas (H₂S or CO) detection**
Reagent discoloration indicates presence of H₂S or CO.
- **Meter illumination**
Meter illumination permits measurement in the dark.
- **Intrinsically safe construction**
Intrinsic safety permits detector use even in hazardous areas. Be sure to replace batteries in safe environment.

- **Simple operation**
One-handed operation. ON-OFF, battery check and gas detection modes can be selected with one knob.
- **Automatic sampling**
A micro air pump development by Cosmos (Patent pending) automatically samples gas for easy operation.
- **Powered by UM-3 dry cell batteries**
4 x UM-3 alkali batteries provide power for about three weeks assuming 3 min./per use, 10 uses/day. Low maintenance cost.

XPO-317 SPECIFICATIONS

	Combustible gas	Oxygen	Toxic gas
Detection principle	Catalytic combustion	Galvanic cell	Reagent discoloration
Gases detected	Methane and most other combustible gases	Oxygen in atmospheric air	Carbon monoxide or hydrogen sulphide
Range	0 ~ 100% LEL	0 ~ 25% VOL	Concentration detection
Alarm point pre-setting	25% LEL	18% O ₂	—
Alarm style	Lamp flashes, with long intermittent buzzer sound	Lamp flashes, with short intermittent buzzer sound	—
Accuracy	±5% of full scale	±0.7% or less (JIS T-8201 applied)	±35% of reading
Sampling method	Automatic sampling		
Pressure range	1-2 atmospheres (21% O ₂ calibration required for pressure at site of measurement)		
Temperature range	-10°C ~ +40°C		
Power supply	4 x UM-3 dry batteries		
Battery life	7 hours or more of continuous operation, using alkali batteries (excluding alarm)		
Dimensions	W84 x H190 x D40 mm		
Weight	Approx. 850g		
Additional functions	1) Meter illumination 2) Battery depletion alarm 3) Distinguishable alarms for combustible gas from oxygen deficiency 4) Detection tube sampling completion signal		
Accessories	Leather carrying case 4 UM-3 dry cell batteries Gas sampling hose Drain filter Filter element Spare oxygen sensor Detector tube (10 pcs)		

- * CO:0•50•100•300•500ppm (Distinct)
H₂S:0•10•20•40•60ppm
- * A CO-detection tube is provided as standard equipment (For H₂S detection, notify when ordering.)

ALARMS TYPES AND SIGNALS

Description	Alarm signal
Combustible gas detection (25% LEL or over)	Long intermittent sound
Oxygen deficiency detection (18% O ₂ or less)	Short intermittent sound
Simultaneous detection of combustible gas and oxygen deficiency	(Combined sound)
Battery depletion	Continuous sound
Sampling completion (2 min. sampling timer)	Continuous sound



manufactured by



NEW COSMOS ELECTRIC CO., LTD.

Head Office: 2-5-4- Mitsuya-naka, Yodogawa-ku, Osaka 532, Japan
Phone 06-309-1505 Fax 06-309-1514

Tokyo Office: 3 Kanda-Mitoshirocho, Chiyoda-ku, Tokyo 101, Japan
Phone 03-3233-1200 Fax 03-3295-7780

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MINERVA
INDUSTRIAL & TRADING PTE LTD

86 Marine Parade Central # 03 -212
Singapore 440086

Tel: +65 6440 2288 Fax: +65 6345 5665

Email: sales@minerva-intra.com