

Be sure, be safe.

COSMOS

REAL-TIME VOC MONITOR
XP-3120-V

Portable VOC monitor

suitable for on-site measurement of comprehensive VOCs

Applications

- Oil & Gas
- Industrial Safety
- Environmental Measurement
- Indoor Air Quality



Features

- Compact and light-weight
- Easy to use
- Intrinsically safe: Ex ib d IIB T3 (TIIS)
- Stable measurement with a long-term proven sensor
- Able to monitor concentration changes with data-logging function
- Low initial cost

Measurement Range (Reference Value)

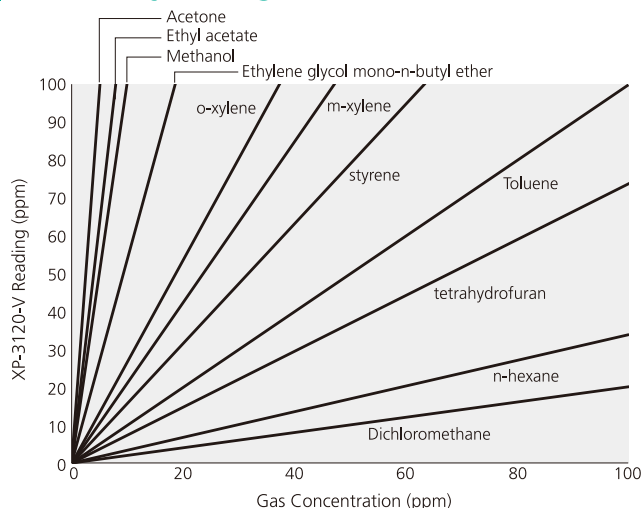
Gas Type	Controlled Concentration (ppm)	Lower measurement Range (ppm)	Upper measurement Range (ppm)
Toluene	20	3	1000
o-xylene	50	1.1	378
m-xylene	50	1.5	487
p-xylene	50	1.4	463
Ethyl acetate	200	0.2	82
n-Butyl acetate	150	0.3	96
Methanol	200	0.3	100
Methyl isobutyl ketone	20	0.2	54
Isopropyl alcohol (2-propanol)	200	0.2	67
Methyl ethyl ketone	200	0.2	50
1-butanol	25	0.2	60
Isobutyl alcohol	50	0.2	62
Acetone	500	0.2	52
Ethylene glycol mono-n-butyl ether (Butyl cellosolve)	25	0.6	191
Isobutyl acetate	150	0.4	149
Cyclohexanone	20	0.2	56
n-hexane	40	8.8	2941
Dichloromethane	50	15	5000
Methyl acetate	200	0.3	109

Note: The above are a part of the detectable gases.

Part Names



Sensitivity to Organic Solvent (Reference Value)



Specifications

Model	XP-3120-V
Gas Detected	VOC (calibration gas: Toluene)
Sampling Method	Extractive
Detection Principle	Hot wire semiconductor
Detection Range	Low range: 0 to 100 ppm High range: 0 to 1000 ppm
Indication Accuracy*1	±10% of full scale
Display	Main LCD: Digital-LCD with backlight Sub LCD: Clock display
Alarm	Non-alarm
Explosion-proof Structure	Ex ib d IIB T3 (TIIS)
Operation Temperature	0 to +40 °C
Power Source	4 × AA alkaline dry battery
Continuous Operation*2	With alkaline battery: approx. 25 hours (at 20°C, backlight OFF)
Dimensions	W82 × H162 × D36 mm
Weight	Approx. 450g (excluding batteries)
Standard Accessories	Soft case, 4 × AA alkaline dry battery, Gas sampling hose (1m, for solvent model SH-401), Replacement filter, Probe with filter/moisture trap
Optional Items	Datalogger kit (CD-ROM + USB cable), AC adaptor, Activated carbon filter set

*1 Repeatability under the same condition.

*2 It may vary depending on environment and usage conditions, storage period, battery, etc.

NEW COSMOS ELECTRIC CO., LTD.

NEW COSMOS ELECTRIC CO., LTD. [Overseas Business Division]
2-6-2 Hamamatsu-cho, Minato-ku, Tokyo 105-0013 JAPAN
TEL. +81-3-5403 2715 Email. e-info@new-cosmos.co.jp www.newcosmos-global.com

NEW COSMOS-BIE B.V.

Maxwellstraat 7, NL-1704 SG, Heerhugowaard, the Netherlands
TEL. +31-72-576 5630 Email. sales@newcosmos-europe.com www.newcosmos-europe.com

NEW COSMOS ELECTRIC (SHANGHAI) CO., LTD.

4th Plant No.385, Dongxing Road, Songjiang Industrial Zone, Shanghai, China 201613
TEL. +86-21-6774 3138 Email. info@new-cosmos.com.cn www.new-cosmos.com.cn

NEW COSMOS ELECTRIC KOREA CO., LTD.

802, Alpha Tower, 180, Pangyoeyeok-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13524 Korea
TEL. +82-31-703-3102 Email. info@new-cosmos.co.kr

NEW COSMOS ELECTRIC CO., LTD. [Taiwan Office]

8F, No.419, Sec.2, Gongdao 5th Road, Hsinchu city, Taiwan 30070
TEL. +886-3-574 4593 Email. cosmost1@ms75.hinet.net

NEW COSMOS ELECTRIC CO., LTD. [Singapore Office]

80 Robinson Road #10-01A, Singapore 068898
TEL. +65-6420-6387 Email. e-info@new-cosmos.co.jp



SAFETY WARNING

Read the operating instructions thoroughly before use. Always operate in accordance with the instructions. Be sure to choose the sensor designed to detect the required type of gas. Use of the wrong sensor type could cause an accident.