

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

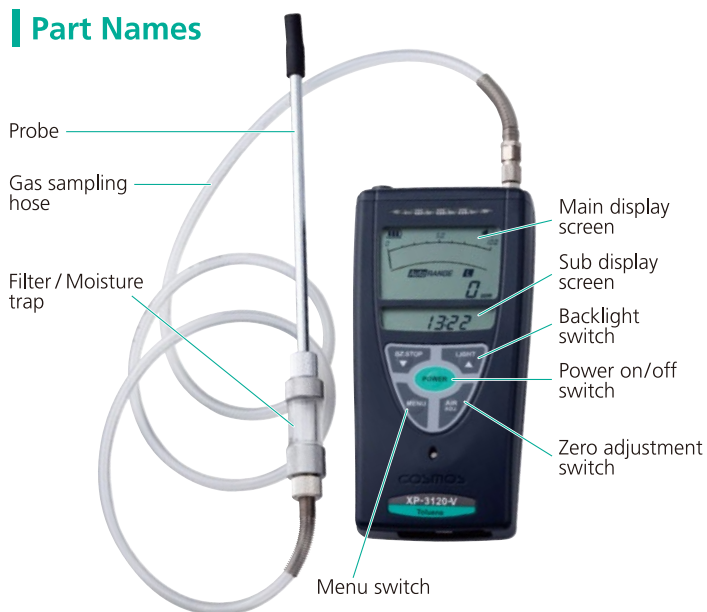
- Compact and light-weight
- Easy to use
- Intrinsically safe: Ex ib d IIB T3 (TIIS)
- Stable measurement with a long-term proven sensor
- Able to monitor concentration changes with data-logging function
- Low initial cost

Measurement Range (Reference Value)

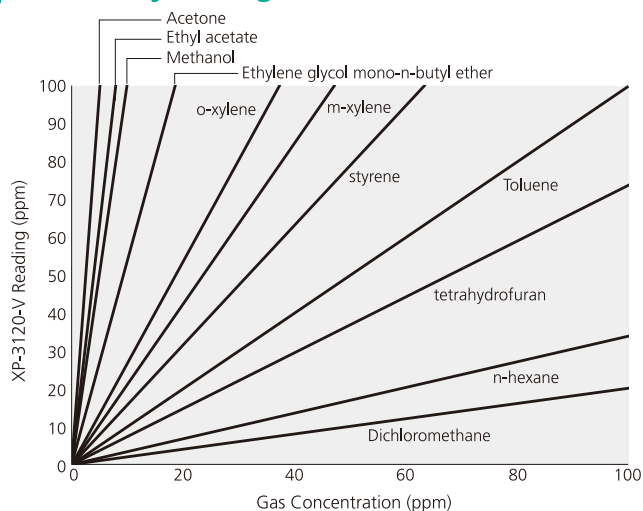
Gas Type	Controlled Concentration (ppm)	Lower measurement Range (ppm)	Upper measurement Range (ppm)
Toluene	20	3	1000
o-xylene	50	1.1	378
m-xylene	50	1.5	487
p-xylene	50	1.4	463
Ethyl acetate	200	0.2	82
n-Butyl acetate	150	0.3	96
Methanol	200	0.3	100
Methyl isobutyl ketone	20	0.2	54
Isopropyl alcohol (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
URL. newcosmos-global.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
URL. new-cosmos.com.cn

NEW COSMOS ELECTRIC KOREA CO., LTD.

805-806, 10, Seongnam-daero 43beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
TEL. +82-31-703-3102 Email. info@new-cosmos.co.kr
URL. new-cosmos.co.kr

New Cosmos USA, Inc.

650 Warrenville Road, Suite 101, Lisle, IL 60532, USA
TEL. +1-847-749 3064
URL. denovadetect.com

NEW COSMOS-BIE B.V.

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

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. [Thailand Office]

4345 Bhiraj Tower at BITEC, 23rd Floor, Unit. 23090, Sukhumvit Rd., South Bangna, Bangkok, Bangkok 10260 Thailand
TEL. +66-95-558-5067



SAFETY WARNING

Carefully read the instruction manual prior to use.
Select and use the device designed to detect the required type of gas. Use of a wrong sensor type may cause an accident.