

Be sure, be safe.

COSMOS

ENVIRONMENTAL MONITOR
COD-203

Continuous Monitoring for Work Place Chemicals.

Reliable indoor chemical monitoring even
at low concentrations for a safe and
secure work environment.



Laboratories

Clean Rooms

Indoor
Work Spaces

etc...

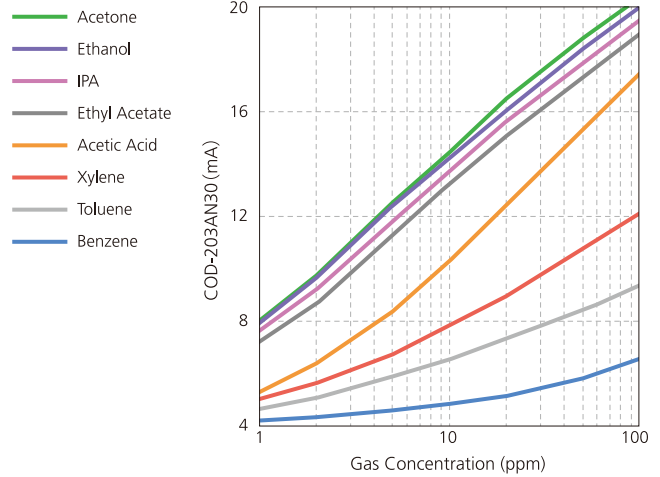
For daily work place monitoring

Actual Size

Features

- High-Sensitivity Semiconductor Sensor**
 Our unique high-sensitivity sensor can detect chemical substances in the environment even at low concentrations.
- Capable of Detecting a Wide-Range of Substances**
 The ability to detect a wide-variety of substances, in addition to VOC, allows for our monitor to be placed in a variety of environments.
*Please contact us for a complete list of detectable substances
- Compact and Light-Weight**
 The elimination of a monitor and alarm functionality has allowed for a more compact and light-weight design.
 Easily able to be mounted in desired monitoring locations using mounting magnets or brackets.
- Low-Cost Environmental Monitoring**
 Sensor life-span of 2 years. The entire unit can be replaced, eliminating the need for on-site calibration.

Examples of the Sensitivity Characteristics of Commonly Detected Substances



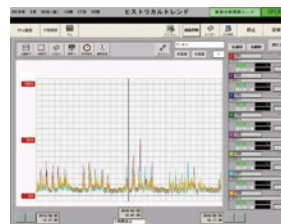
Specifications

Model	COD-203A			COD-203B
Detection Principle	Hot-wire semiconductor			
Detection Method	Diffusion			
Calibration Gas	Ethanol			Toluene
Full Scale Concentration	200ppm	100ppm	20ppm	5ppm
Recommended Installation Locations	General work areas			Clean rooms
Operating Temperature and Humidity Range	5°C to 35°C, 30%RH to 85%RH (with no condensation) *Assuming constant temperature and humidity (no fluctuation)			
External Output	Analog 4-20mA, trouble alarm: 0.1mA or less *Uninsulated, load resistance of 300Ω or less including wiring resistance			
Explosion Proofing	None			
Power	DC24V±6V			
Power Consumption	~2W			
Dimensions	W50 x H110 x D27mm (excluding protruding parts)			
Weight	~0.2kg			
Compatible Cables [Connection Methods]	~4-core shielded cable [4P plug type connector AWG-16 (approx. 1.25mm ²) to AWG-28 (approx. 0.08mm ²)]			
Mounting Methods	Wall mount type (magnet or mounting bracket)			

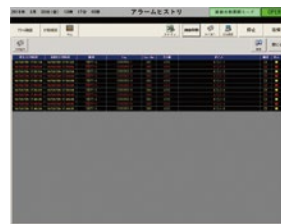
Monitoring Output Examples



COD-203 Fixed-point monitoring based on installation drawings



Real time monitoring trend graph



Alarm history display

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. www.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. www.new-cosmos.co.kr

New Cosmos USA, Inc.
 650 Warrenville Road, Suite 101, Lisle, IL 60532, USA
 TEL. +1-847-749 3064
 URL. www.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. www.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, Bangna, Bangkok 10260 Thailand
 TEL. +66-95-558-5067



SAFETY WARNING

- Please read the "Instruction Manual" carefully before use to ensure proper operation.
- For products that require installation work, please contact your dealer or a specialist. Improper installation may result in injury.

Periodic inspections should be performed in accordance with the instruction manual to ensure safety.