

Continuous Monitoring by NDIR Sensor

(BC) CO₂ Gas Monitor

**Model TX-1300EM-L (0-5000 ppm)
-M (0-20000 ppm)**



Actual Size Image

- ◆ **Using NDIR Sensor (Non Dispersive Infrared)**
- ◆ **Diffusion Type**
- ◆ **5 digits LCD Display**
- ◆ **4 - 20 mA Analog output**
- ◆ **DC24V Operation(3-wires system)**
- ◆ **Estimate monitor life approx. 5 years**

Bionics Instrument Co., Ltd.



CO₂ Gas Monitor

Specifications		
Model	TX-1300EM-L	TX-1300EM-M
Gas name	CO ₂	
Range	0 ~ 5,000 ppm	0 ~ 20,000 ppm
Principle	NDIR (Non Dispersive Infrared)	
Gas detection method	Diffusion, single-point	
Monitoring interval	3 seconds	
Display	5 digits LCD	
Response time (T90)	< 30 sec.	
Accuracy	< ± 5% F.S.	
Warm up time	1 min.	
Temperature compensation	by Integral thermistor	
Operating temperature & humidity	-10 ~ 60°C , 0 ~ 99 %RH (no condensation)	
Analog output	4 - 20 mA DC (Max. load 500 Ω)	
Alarm setting (adjustable)	1,000 ppm	5,000 ppm
Alarm relay capacity	1a (1A 120 VAC, 1A 24 VDC)	
Power requirement and consumption	DC 24V ± 10 %, 0.5W	
Installation style	Wall mount	
Dimension	Approx. 70(W) × 124(H) × 43(D) mm	
Mounting dimension	77(H) ± 0.3 mm by M4 screw	
Weight	Approx. 0.1kg	

Rear (Terminal connection)



Monitoring CO₂ concentration in greenhouses for strawberries, tomatoes and mushrooms etc.



Monitoring CO₂ concentration in storage warehouses for fruit and vegetables etc. (image)

※ We reserve the right to change specifications without notice.

Bionics Instrument Co., Ltd.	6-1254-2 Shimizu, Higashi-yamato, Tokyo, 207-0004 Japan. TEL: +81-42-561-4856 FAX: +81-42-565-9228 e-mail: trade@bionics-japan.co.jp URL : https://www.bionics-japan.co.jp/en/
Global Bionics Trading Corp.	No.18, Alley 29, Lane 335, Chenggong Rd., Hukou Township, Hsinchu County 30345, Taiwan. TEL: +886-3-553-8986 FAX: +886-3-553-8987 e-mail: sales@bionics.com.tw URL : https://www.bionics.com.tw
Advan Analytical	18 Boon Lay Way, #04-116 Tradehub 21, Singapore 609966. TEL: +65-6908-1512 FAX: +65-6255-7902 e-mail: bionics@advananalytical.com URL : https://www.advananalytical.com