

WALL MOUNTED INFRARED CO₂ ANALYZER

CEA 266

FEATURES

- DIGITAL READOUT
- COMPLETELY SELF CONTAINED WITH BUILT-IN AIR PUMP, WATER TRAP AND DUST FILTERS
- WATER RESISTANT AND DUST TIGHT
- HEAVY DUTY DESIGN
- 0-5 VDC AND 4-20 mA LINEAR OUTPUTS
- ADJUSTABLE HIGH AND LOW LEVEL ALARMS AND RELAYS
- EASY TO INSTALL, OPERATE, AND CALIBRATE



The **CEA 266** is a wall mounted continuous non-dispersive infrared (NDIR) Carbon Dioxide (CO₂) analyzer contained in a water resistant and dust tight fiberglass enclosure. Standard ranges of 0-2000 ppm, 0-5000 ppm, 0-1%, 0-2%, 0-5%, 0-10%, and 0-20% are available.

The sample gas is continuously drawn into the unit through a built-in air pump. A self-draining water trap and a dust filter are also provided. The unit has 0-5 VDC and 4-20 mA linear outputs, as well as high and low level alarm contact closures.

The **CEA 266** is applicable for the measurement of Carbon Dioxide (CO₂) in indoor air monitoring, food related industries, breweries, mushroom growing, greenhouse horticulture, welding, office ventilation systems, cooling systems, hazardous environments, laboratory and research projects, and various other applications where CO₂ levels have to be monitored and/or controlled.



CEA Instruments, Inc.

"EXPERTS IN TOXIC GAS DETECTION"

CEA 266 SPECIFICATIONS

MEASURING PRINCIPLE	Non-dispersive infrared absorption (NDIR)
MEASURING GAS	Carbon Dioxide (CO ₂)
MEASURING RANGES	0-2000 ppm, 0-5000 ppm, 0-1%, 0-2%, 0-5%, 0-10%, or 0-20% (specify)
SAMPLING METHOD	Internal Diaphragm Pump
REPEATABILITY	+/- 1% of full scale
ACCURACY	+/- 3% of full scale
ZERO DRIFT AT CONSTANT TEMPERATURE	Less than 2% per month non-accumulative
READOUT	0.56" Digital Light Emitting Diode (LED)
RECORDER OUTPUTS	0-5 VDC (Output resistance approx. 200 ohms) Linear 4-20 mA DC (Load resistance MAX 550 ohms) Linear
CONTROL RELAYS	Dual set point, adjustable, non-latching 250 VAC, 3 amps maximum, SPDT
AUDIO/VISUAL ALARMS	Low set point exceeded - Beeps once a second with flashing yellow indicator High set point exceeded - Continuous tone with red indicator
POWER SUPPLY	115 VAC 60 HZ or 220 VAC 50 HZ (Please specify)
POWER CONSUMPTION	Less than 8 watts
OPERATING TEMPERATURE	32° F – 122° F (0° C – 50° C)
DIMENSIONS	7.5"(190 mm) W x 9.5"(241 mm) H x 5"(127 mm) D
WEIGHT	Approximately 6 pounds (3 kgs.)

(Specifications subject to change without notice.)



CEA Instruments, Inc.

160 Tillman Street, Westwood, N.J. 07675 U.S.A.
Telephone (201) 967-5660 Fax (201) 967-8450
E-Mail: ceainstr@aol.com Website: www.ceainstr.com



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CEA 266 PRICE LIST

CEA 266 Wall mounted continuous Non-Dispersive Infrared (NDIR) Carbon Dioxide (CO₂) analyzer with digital readout in a water resistant and dust tight fiberglass enclosure. Complete with built-in air pump, water trap, dust filters, 0-5 VDC and 4-20 mA linear outputs, as well as high and low audio/visual alarms and contact closures.

**0-2000 ppm, 0-5000 ppm, 0-1%, 0-2%,
0-5%, 0-10% or 0-20% (Specify range)** **\$ 2,995.00**

Spare Parts

Internal Hydrophobic Filters, Pack of 3 \$ 75.00

Water Trap Elements, Pack of 5 \$ 60.00

Deluxe Calibration Kit (Specify range) \$ 695.00

Cylinder (105L) Span Gas, CO₂

* Cylinder (105L) Zero gas, N₂

Special Preset Regulator

2 Tedlar Gas Bags

Carrying Case

* Not required for ranges of 0-10% or higher, deduct \$ 200.00

Water Trap Housing \$ 75.00

Water Trap Inlet Screen \$ 20.00

Replacement Internal Air Pump \$ 450.00

6VPL-0808