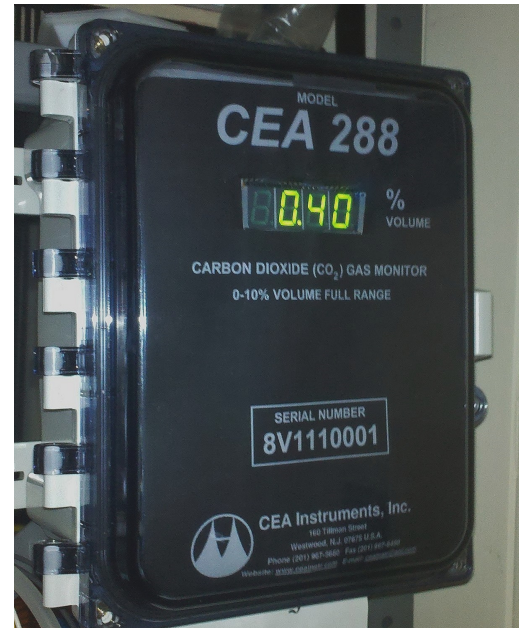


WALL MOUNTED INFRARED CO2 ANALYZER

CEA 288

FEATURES

- **DIGITAL READOUT OF CARBON DIOXIDE INCLUDING 10,000 PPM (1%), 10%, OR 100% WITH MANY OTHER RANGES AVAILABLE**
- **COMPLETELY SELF CONTAINED, BUILT-IN AIR PUMP FOR FAST, CONTINUOUS RESPONSE**
- **NEMA 4X WATER RESISTANT AND DUST TIGHT WITH EXTERNAL HYDROPHOBIC FILTER**
- **0-1 VDC AND 4-20 mA LINEAR OUTPUTS**
- **ADJUSTABLE ALARM AND RELAY CONTACT**
- **EASY TO INSTALL, OPERATE, & CALIBRATE**



The **CEA 288** is a wall mounted continuous non-dispersive infrared (NDIR) Carbon Dioxide (CO₂) analyzer contained in a water resistant, dust tight NEMA 4X enclosure. Standard ranges are 0-10,000 ppm (0-1%), 0-10%, or 0-100%. Other ranges are available including 0-2000 ppm, 0-5000 ppm, 0-2%, 0-5%, 0-20%, 0-50% and more.

The sample gas is continuously drawn into the unit through a built-in air pump. An external hydrophobic filter is provided to eliminate water and dust ingress. The unit has 0-1 VDC and 4-20 mA linear outputs, as well as adjustable audio alarm and accompanying relay contact closure.

The **CEA 288** is applicable for the measurement of Carbon Dioxide (CO₂) in indoor air monitoring, food related industries, breweries, mushroom growing, greenhouse horticulture, office ventilation systems, cooling systems, hazardous environments, welding, 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 288 SPECIFICATIONS

OPERATING PRINCIPLE	Non-Dispersive Infrared (NDIR)
GAS SAMPLING METHOD	Internal Diaphragm Air Pump
MEASURED GAS	Carbon Dioxide (CO₂)
STANDARD RANGES	0-10,000 ppm (0-1%), 0-10%, or 0-100%
AVAILABLE RANGES	0-2000 ppm, 0-5000 ppm, 0-2%, 0-5%, 0-20%, or 0-50%. Other ranges are available - Specify <u>ONE</u> range
DIGITAL DISPLAY	0.56" Light Emitting Diode (LED), 4 digit
RESPONSE TIME	Typically 10 seconds to 90% of full scale
ACCURACY	+/- 5% of reading
REPEATABILITY	+/- 1% of full scale
ZERO DRIFT AT CONSTANT	Less than 2% per month non-accumulative
BUILT-IN ALARM	Single point, user adjustable audio and available accompanying relay contact (both non-latching)
RELAY CONTACT	24 VDC, 1 A Max – Normally Open
VOLTAGE OUTPUT (LINEAR)	0-1 VDC
CURRENT OUTPUT (LINEAR)	4-20 mA
POWER REQUIREMENT	115 VAC (100-240 VAC or 24 VDC option)
POWER CONSUMPTION	20 Watts
EXTERNAL POWER OUT	12 VDC available
OPERATING TEMPERATURE	32° F – 122° F (0° C – 50° C)
OPERATING HUMIDITY	0-90% RH, non-condensing
CALIBRATION	Span adjustment only (Zero electronically nulled)
WARM UP TIME	10 minutes
WEIGHT	Approximately 5.5 pounds (2.5 kgs)
DIMENSIONS	9.4" x 8.0" x 5.7" (239 x 203 x 145 mm)
WARRANTY	One year, parts and labor

(Specifications subject to change without notice.)



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