

AFFORDABLE INFRARED CO2 MONITOR

CEA 144

FEATURES

- UNMATCHED STABILITY AND ACCURACY
- VERY LOW COST
- COMPLETELY SELF CONTAINED
- EASY TO READ DIGITAL DISPLAY
- LIGHTWEIGHT, LESS THAN 2 LBS
- VDC AND 4-20 mA RECORDER OUTPUTS
- SIMPLE TO INSTALL AND OPERATE
- SINGLE GAS CALIBRATION
- 2 YEAR WARRANTY



Combining the solid reliability of non-dispersive infrared analysis with state-of-the-art microprocessor technology the CEA 144 CO₂ monitor provides a highly stable platform for the measurement of CO₂.

The CEA 144 weighs under 2 lbs. and is contained in a rugged steel enclosure equipped with digital display and comes with both 0-1 VDC and 4-20 mA outputs. Standard ranges of 0-2000 ppm, 0-5000 ppm, 0-1%, 0-2%, 0-5%, 0-10%, and 0-100% Volume are available as well as an optional relay contact. Because of its advanced design, the CEA 144 requires calibration only once a year and is so reliable it is warranted for a full 2 years.

The CEA 144 is designed for demanding industrial and commercial applications that require reliable performance in a rugged package at a competitive price. With its broad range of input voltages, low power consumption and sturdy metal enclosure, this flexible monitor is easily incorporated into a broad range of applications. An optional duct sampling kit is available.



CEA Instruments, Inc.

"EXPERTS IN TOXIC GAS DETECTION"

CEA 144 SPECIFICATIONS

OPERATING PRINCIPLE	Non-dispersive infrared (NDIR)
GAS SAMPLING METHOD	Diffusion
MEASUREMENT RANGE	0-2000 ppm, 0-5000 ppm, 0-1%, 0-2%, 0-5%, 0-10%, or 0-100% Volume (Specify)
ACCURACY	+/- 5% of reading
MINIMUM CALIBRATION INTERVAL	One year
OPERATING TEMPERATURE RANGE	10-45°C (50-113°F)
OPERATING HUMIDITY RANGE	5 to 90% RH (non condensing)
POWER REQUIREMENTS	10-30 VDC (AC to DC transformer supplied)
POWER CONSUMPTION	Less than 1.5 W
CALIBRATION ADJUSTMENTS	Span only (offset electronically nulled)
DIMENSIONS	6" x 5" x 2.5"
VOLTAGE OUTPUT (LINEAR)	0-1 VDC
CURRENT OUTPUT (LINEAR)	4-20 mA
WEIGHT	Less than 2 lbs.
ENCLOSURE MATERIAL	Metal
OPTIONAL RELAY	8A at 220 VAC/normally open or normally closed
DIGITAL DISPLAY	4 digit, .56" LED
WARRANTY	Two year, parts and labor: repair or exchange

(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