# KECO
## The Measure of Trust

## KECO CarbonHound Lite
## Carbon Dioxide (CO2) Gas Analyzer



### Applications

- Gas Processing Facilities
- Natural Gas Pipelines
- Chemical Plants
- Gas Well Testing & Analysis
- Landfills
- Biogas
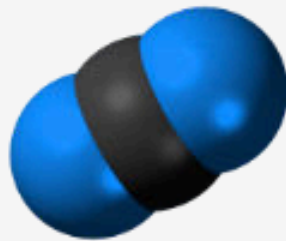
### CarbonHound

A reliable, low-maintenance CO2 analyzer offering high accuracy for continuous real-time monitoring in hazardous environments, ideal for gas processing, biogas, and landfill applications. Features a solid-state design with long sensor life and outdoor-ready packaging.
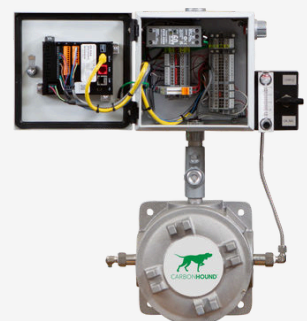
### Benefits

- Continuous CO2 monitoring for process control
- Low maintenance, long-lasting solid-state sensor
- Hazardous-area certified
- Rugged, weatherproof design
- User-friendly touchscreen with real-time data logging

### Operational Impact

- High accuracy and wide CO2 measurement range
- Reduced downtime
- Low service requirements
- Cost-effective, low-cost ownership
- Continuous, real-time process monitoring

Scan to know more about KECO CarbonHound

# Specifications

**RANGE**
- 0-0.5% (0-5000 ppm), 0-5%, 0-10%, 0-20%, 0-50%, 0-100% Vol.

**RESOLUTION**
- 0.01% for readings up to 10% volume
- 0.1% for readings from 10% up to 100% vol.

**REPEATABILITY**
- ±3% of Full Scale

**ACCURACY**
- ±3% of Full Scale

**PRESSURE**
- ±5% of the calibration pressure to maintain accuracy
limits

**TEMP PERFORMANCE**
- ±10% of reading up to 50% full scale and ±15% of reading from 50% to 100% full scale

**RESPONSE TIME**
- T90 = less than 60 seconds

**POWER**
- 110/220VAC 50/60 Hz or 24VDC (1.1 amps max)

**OUTPUT**
- 4-20mA DC (self-powered)
- RS-485 Modbus
- TCP/IP Ethernet Modbus
- Concentration alarms via Modbus
- Diagnostic Alarms via Modbus

**ELECTRICAL CLASS**
- Class I, Div 2 (Zone 2) Groups B, C, D

**HUMIDITY**
- 0-95% RH non-condensing

**RELAY RATINGS**
- SPDT Relays, 250 VAC at 10 amps (conc. alarm, diagnostic
alarm)

**OPERATION TEMPERATURE**
- -10ºC to 50ºC

**OPERATION PRESSURE**
- Max pressure input 100 psig (optional pressure regulator/gauge available)

**WEIGHT/DIMENSIONS (Approx.)**
- 40 lbs
- Height: 20 inches
- Width: 12 inches
- Depth: 7 inches

**FEATURES**
- Data Logger (SD card separate)
- Enclosure for outdoor environments (UL listed, CSA rated, IP66)
- Sample flow rate is 1.5 SCFH on sample requirement

**OPTIONS**
- Alarm relays (SPDT, 250 VAC @ 5 Amps)
- Isolation of 4-20 mA and Ethernet
- Solar System (panels, mounting pole, batteries, controller)
- H2S Scrubber for vent
- Fugitive Emission Control Unit for vent
- Sampling System (Simple): Pressure regulator/gauge
- Sample System for Gasses Entrained with Light Liquids:
Pressure regulator/gauge, Liquid Block, by-pass with needle
valve
- Sampling System for LPG, LNG (heated)
- Sample Probe to be installed at tap point
- Self-standing rack (includes sun/rain shield, drip pan, fork lift holes, foundation mount holes; can mount analyzers on front and back)

KECO provides design and application engineering assistance for the User's analyzer requirements. For a quotation, please complete Analyzer Quote Request Form at kecosystems.com/quote

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9515 Windfern Road Houston TX 77064
kecosystems.com
sales@kecosystems.com | 281.407.7323