



**Bascom-Turner  
Instruments**  
*Leading the Way in Safety*

**Over 40 years of gas detection  
leadership, safety, and innovation**

# CCD-201

**The lighter, safer analyzer for  
VOC emissions monitoring**

Bascom-Turner Instrument's CCD-201 is an emissions monitoring instrument capable of detecting a full range of VOCs from 0 to 50,000 ppm. A rugged catalytic oxidation unit, the CCD-201 meets all US EPA Method 21 Section 6 performance criteria and is a great alternative to FID or Infrared analyzers.

**Instrument highlights include:**

- 0 to 50,000+ ppm
- Intrinsically Safe: Class I, Division 1
- Lightweight, Ergonomic Design
- Multi-Point Calibration
- 10+ Hours Operating Time
- Data Logging and Streaming
- Compatible with Most LDAR Databases
- Integrated GPS Standard
- Standard Plug-in Charging



**BASCOM-TURNER INSTRUMENTS**

800.225.3298 • 781.769.9660  
www.BascomTurner.com

111 Downey Street  
Norwood, MA 02062

Description	Model <sup>1,2,3</sup>
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Catalytic Combustion Detector (CCD).....	CCD-201
CCD Calibration Setup.....	CCC-500 or CCC-10K

Each detector comes with flex probe with stainless tip (FP-821), stainless steel probe with hose with quick-connect fitting (SSP-821), pack of water-block filters (WF-305), set of rechargeable NiMH batteries with USB charging cable and brick, carrying case (IC-501), rubber boot (RB-501), shoulder strap (SS-501) and operating manual. SURVEY mode in all models displays GAS as PPM. A-CAL firmware automatically calibrates a detector – up to six gas concentrations including zero air. All readings are automatically digitized and stored in on-board memory. Datalink for CCD software is available to extract calibration data and readings from the detector via USB, and for generating reports. Each unit automatically stores the last 24 calibrations and approximately 2-3 months worth of detector readings. GPS and wireless communication are standard on all CCD detectors. Detectors are intrinsically safe Class 1, Div. 1, Groups C&D, T4, UL913.

Each calibration set up includes: one calibration gas case (GC-001) that holds two 103L tanks of calibration gas and one regulator, one 103L tank of 500 ppm Methane calibration gas (M21-500) OR one 103L tank of 10,000 ppm Methane calibration gas (M21-10K), AND one 103L tank of Zero Gas (ZG-105), two on-demand regulators for 103L tanks (FR-305), and two calibration hoses with quick connect (QC-512).

### Unit Specifications and Typical Performance

<b>Gases Detected</b>	Combustible Gases in Air <sup>3</sup>	<b>Resolution</b>	1 ppm from 0 to 50,000 by volume
<b>Sensors</b>	Dual Catalytic Combustion Thermal Conductivity	<b>Flow Rate</b>	0.5 L/min
<b>Calibrated Accuracy (5° to 35°C)</b>	± 2% (± 20 PPM) for PPM scale	<b>Operating Modes</b>	Survey
<b>Warm-Up Time</b>	60 seconds	<b>Humidity</b>	0 to 95% RH (non-condensing)
<b>Operating Temperature</b>	-20°C to 40°C (0°F to 105°F)	<b>Storage Temperature</b>	-40°C to 60°C (-40°F to 140°F)
<b>Operating Time</b>	10 hours, typical (25° C) per full charge (4-6 hours)	<b>Power Supply</b>	Two C-size rechargeable NiMH batteries or alkaline
<b>GPS</b>	Horizontal resolution 2.5m Max update rate 10Hz	<b>Wireless Communication</b>	Transmit Class 2, 10m range Certified to FCC regulation
<b>Data Logging</b>	2-3 months, automatic	<b>Unit Weight</b>	1.5 lb. (0.68 kg)

1. The CCD-201 is warranted for one year. Accessories are warranted against defects in materials and workmanship. Warranties do not apply to detectors damaged by accident, abuse, modification, or misuse. Bascom-Turner will repair or replace products under the warranty provided they are returned to Bascom-Turner at the owner's expense. No other warranty is expressed or implied. Bascom-Turner is not liable for consequential damages.
2. These instruments measure the concentration of combustible gases in air. They constitute one element for assessing safety, or lack thereof, of a particular atmosphere. However, they must not be relied upon by themselves for judging safety; all other significant factors must be taken into account.
3. Please contact Bascom-Turner for a list of detector response factors.