

# AST-IT series CO2 Transmitters

**Analog transmitters  
with infrared sensors  
for accurate, reliable  
Carbon Dioxide  
detection**



The AST-IT series are rugged, reliable analog transmitters with infrared sensors to detect Carbon Dioxide (CO2).

AST-IRT transmitters output a linear 4 - 20 mA or 0 - 10 VDC signal that can be sent to a CET controller or building automation system. One relay output is included.

Use with any of Critical Environment Technology's family of controllers: MAC, PAC or PDC.

The standard housing is an attractive plastic office mount enclosure and an optional duct mount kit is available.

Self calibration feature eliminates the need for field calibration in most applications.



# AST-IT series CO2 Transmitters

## ANALOG TRANSMITTERS WITH INFRARED CARBON DIOXIDE SENSORS

**Dimensions: Standard Office Mount Enclosure**

**Size: 5.6" x 3.3" x 1.3"**  
**(143mm x 83mm x 33mm)**

**Optional duct sampling kits available for duct monitoring**

**Construction: Attractive wall mount plastic enclosure**

**Sensor Type: Non-dispersive infrared (NDIR)**

**Monitoring Method: Diffusion**

**Range: 0 - 2000 ppm (other ranges available on request)**

**Non - Linearity: less than 1% full scale**

**Accuracy: +/- 3% of reading or 40 ppm (whichever is greatest)**

**Calibration: lifetime**

**Warm Up Time: Less than 2 minutes**

**System Power: 18 - 30 VDC or VAC**

**Temperature: 0 - 50 degrees C. 32 - 122 degrees F.**

**Humidity: 0% to 95% RH, non-condensing**

**Signal Output: 4 - 20 ma linear (R loop 500 ohm max.)**  
**0 - 10 VDC linear (100 ohm output impedance)**

**Visible Indicators: Optional LCD digital display**

**Relay: 3 Amps @ 24 VAC**



## HAZARDOUS GAS DETECTION

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## INDOOR AIR QUALITY

**yes Environment Technologies** [www.yestek.com](http://www.yestek.com)

## OTHER CET TRANSMITTERS

Infrared CO2 - Industrial  
Infrared Hydrocarbons  
Electrochemical Toxic Gases  
Explosion proof Transmitters