

The ET 401 analyzer may be used as a complete standalone monitor or as part of an integrated emission monitoring, logging and reporting system. The instrument is particularly suited to large/dirty processes.

Description

The **ET 401** is a single channel cross-duct analyzer for the measurement of CO. It uses an infrared transmitter to project a beam of light across the duct to a receiver mounted opposite. The light beam is tuned to a specific wavelength where the CO molecules absorb the light energy but there is no interference from water vapor and other gases. Gas filter correlation (GFC) is used to isolate the interference of dust particulates and by using high efficiency air purges the optical surfaces are protected from contamination.

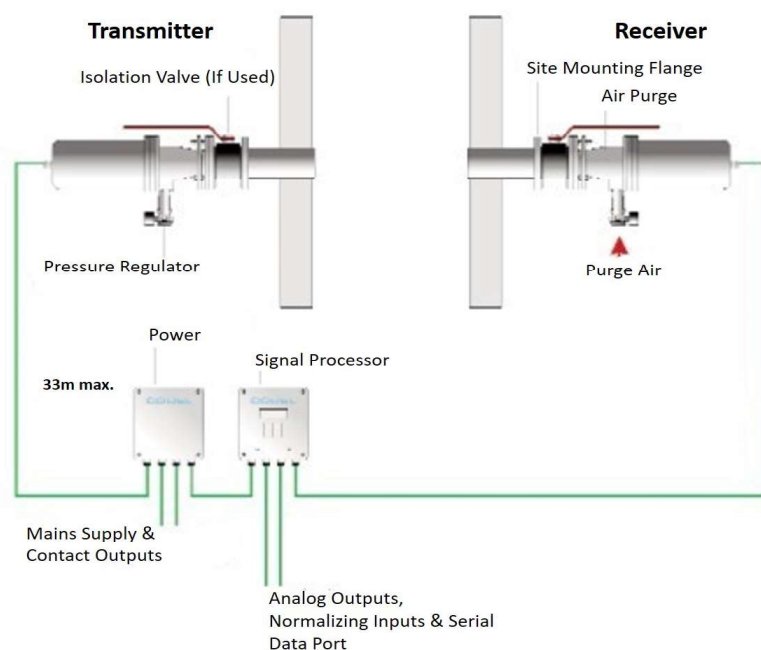
Features and Benefits:

- > Highly efficient air purges for minimal lens contamination
- > Automatic on-line zero calibration using integral reference gas cell
- > Real-time normalization to standard reference conditions
- > Low maintenance - only simple, infrequent checks to windows are required
- > Data presentation in ppm, mg/m³ or mg/Nm³



APPLICATIONS

- > CO Monitoring for Safety
- > CO Measurement for Process
- > Gas Boilers
- > Gas Turbines
- > Gas Processes



MONITORING SOLUTIONS

Complete source for all your Continuous Emissions Monitoring (CEMS) needs:

- > Both Dilution and Extraction CEMS systems
- > Data Acquisition Systems (DAS)
- > Flow Monitoring
- > Opacity Monitoring
- > Oxygen Monitoring Systems
- > Particulate (PM) Monitoring
- > Process Monitoring Systems

SPECIFICATIONS

Range	0 to 6000 ppm.m
Plant Status Input	Isolated Field Contact Input
Averaging	4 Rolling Averages Selectable from 10 seconds to 30 days
Accuracy	+/-2% of Measurement or +/-5ppm.m whichever is the greater
Analogue Output	0/4-20mA isolated, 500Ω
Contact Output	Volt-Free contact, 250V/10A
Normalizing Inputs	4-20 mA Serial Inputs via Keypad for Oxygen, Temperature & Pressure
Serial Port	4-Wire, Current-Loop Based, 2-Way Comms. up to 3281 Feet
Path Length	16.4 to 26 Feet
Fuel Gas Temperature	32°F to 1202°F
Construction	Cast Aluminum, Fully Sealed to IP65
Ambient Temperature	68°F to 158°F
Power Air Consumption	1 Liter/Second/Purge
Power	110/220V, 50/60Hz, 50VA (variations of +/-20%)
Data Valid Output	Volt-Free Contact. 250V/10A

CONTACT

Philadelphia

Toll Free: 908-500-4010
Fax: 908-847-0411

Indianapolis

4404 Guion Road
Indianapolis, IN 46254
Phone: 317-856-9400
Fax: 317-856-9410

New Jersey

78 Route 173, Suite 7
Hampton, NJ 08827
Phone: 908-713-0172
Fax: 908-713-0221