



Applications

Chemical Processing &
Manufacturing Facilities

Gas Processing Facilities

Refineries

Transportation Pipelines

Specifications

Dimensions:

13" high

3" diameter

(19" h with junction box;
junction box 3.75"
diameter)

Weight:

10 pounds

(4.5 kilograms)

Flow Rate:

1 liter / minute

(0.035 scfm)

(2,000 btu / hour
maximum)

Back Pressure:

nil

Power Consumption:

100 watts (max)

(110/120 vac, 50/60 hz)

End Products:

Water Vapor, CO₂

Analyzer Hydrocarbon Catalytic Convertor

P/N 1211-010-120

Most hydrocarbon processing plants and transportation pipelines require the use of chemical analysis instrumentation. These analytical instruments require a stable outlet vent pressure referenced to atmospheric pressure for proper operation. This reference may be achieved by venting the sample to atmosphere. Some of the vented samples contain hydrocarbons, referred to as fugitive emissions. Fugitive emissions are air pollutants and contribute to worldwide environmental concerns.

The focus of the Analyzer Hydrocarbon Catalytic Convertor is the use of a catalytic conversion process to oxidize vented samples while maintaining an atmospheric pressure reference. The device utilizes a continuous heat source to allow effective conversion of intermittent as well as continuous vent streams.

In hazardous locations, the unit is designed, not certified, to provide explosion resistance. Canadian Standards Association (CSA) approval ratings are available, specify P/N 1211-021-120.

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Analytical Instrumentation



Analyzer Hydrocarbon Catalytic Convertor Specifications (ver 1905)

PART NUMBER: 1211-010-120

BACKPRESSURE: Nil @ 1 liter/minute

HYDROCARBON EMISSION PRODUCTS: Water Vapor, Carbon Dioxide
(Nil NO_x formation due to low temperature operation)

SURFACE TEMPERATURE CLASSIFICATION: T6 – 185° F (T3B - 330° F maximum operation)

CATALYST LIFE: Recommend catalyst replacement each year of operation to ensure efficiency of operation (P/N 0146-900)

MAXIMUM CONCENTRATION: 2,000 BTU/HR and/or 1 liter per minute

ELECTRICAL CLASSIFICATION: Designed, not certified, for Class 1, Division 2, Groups B, C, & D. (CSA Approval available for Class 1, Division 1, Groups B, C, and D, T3B – Specify P/N 1211-021-120)

MATERIALS of CONSTRUCTION: Stainless Steel, Aluminum, Platinum Catalyst

SAMPLE INLET CONNECTION: ¾" FNPT

AVAILABLE WITH OPTIONAL TYPE J INTERNAL THERMOCOUPLE TEMPERATURE SENSING ELEMENT: Specify P/N 1211-010TCJ-120

MTI Analytical Technology is available to assist with **Analytical Application** requirements. Should there be questions or additional information required, please advise.

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