

Methanizer (for low level CO and CO₂ by FID)



- Converts CO & CO₂ to Methane without changing retention times
- Enables the FID Detector to detect low levels of CO & CO₂
- Three possible configurations for your application needs
- Thermostatted to 380°C

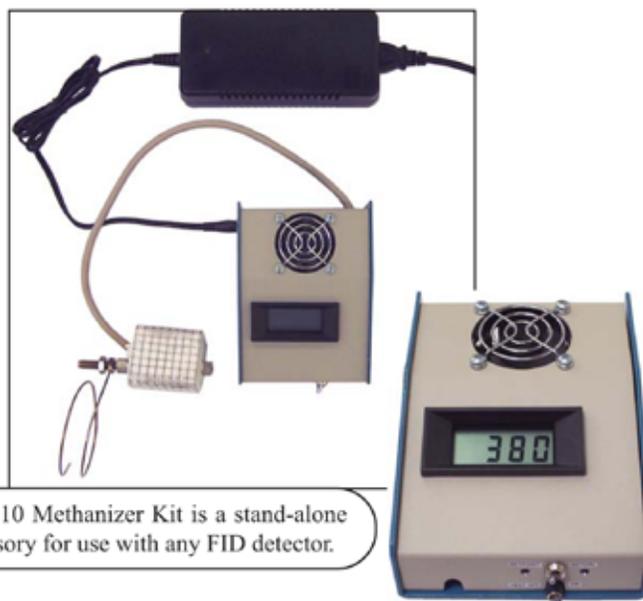
The Methanizer option enables the Flame Ionization Detector to detect low levels of CO and CO₂. The Methanizer is packed with a nickel catalyst powder. During analysis, the Methanizer is heated to 380°C. When the column effluent mixes with the FID hydrogen supply and passes through the Methanizer, CO and CO₂ are converted to methane.

Since the conversion of CO and CO₂ to methane occurs after the sample compounds have passed through the column, their retention times are unchanged. Hydrocarbons pass through the Methanizer unaffected. The special Methanizer FID detector assembly operates like the regular FID detector, except that the FID temperature must be set to 380°C. Due to the chemical relationship between nickel and sulfur, the Methanizer can be poisoned by large quantities of sulfur gas.

The Methanizer accessory is available in three configurations:

1. Built into the FID detector.
2. Built into the valve oven ducts on the side of an 8610 GC.
3. As a stand-alone unit for use with any FID detector.

When choosing the second option, a valve oven must also be ordered (part #8690-0088; see price list below).



The 510 Methanizer Kit is a stand-alone accessory for use with any FID detector.

8690-0082	Methanizer Jet installed in special FID detector body
8670-1082	Replacement Methanizer Jet
8690-0081	Methanizer accessory built into valve oven
8690-0088	Heated, thermostatted valve oven mounted on an 8610C GC
8670-1081	Replacement Methanizer tube
0510-0081	510 stand-alone Methanizer Kit for use with any FID
0510-1081	510 Methanizer replacement tube