

## Methanizer (for low level CO and CO<sub>2</sub> by FID)



- *Converts CO & CO<sub>2</sub> to Methane without changing retention times*
- *Enables the FID Detector to detect low levels of CO & CO<sub>2</sub>*
- *Three possible configurations for your application needs*
- *Thermostatted to 380°C*

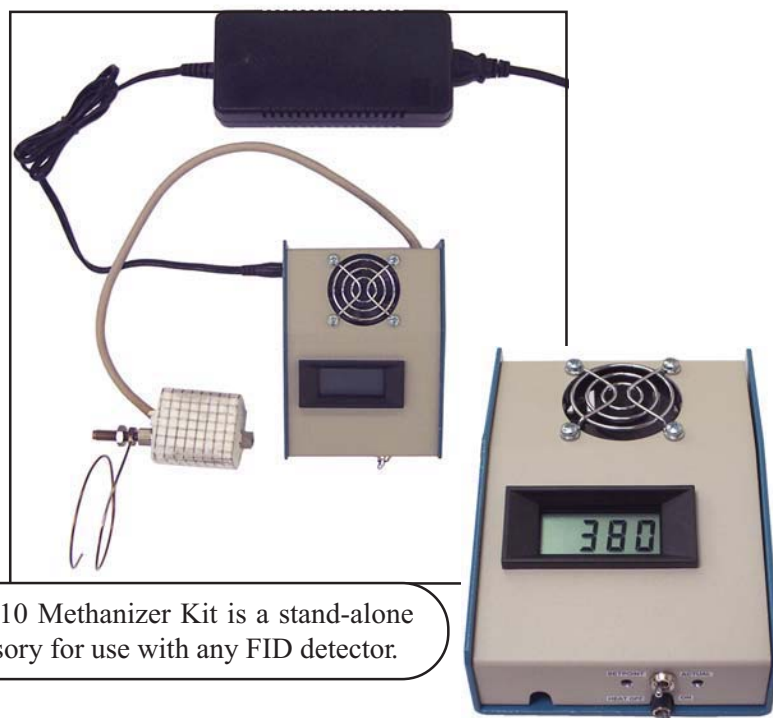
The Methanizer option enables the Flame Ionization Detector to detect low levels of CO and CO<sub>2</sub>. The Methanizer is packed with a nickel catalyst powder. During analysis, the Methanizer is heated to 380°C. When the column effluent mixes with the FID hydrogen supply and passes through the Methanizer, CO and CO<sub>2</sub> are converted to methane.

Since the conversion of CO and CO<sub>2</sub> 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.

<b>8680-0082</b>	<b>Methanizer Jet installed in special FID detector body</b>
<b>8680-1082</b>	<b>Replacement FID detector Methanizer Jet</b>
<b>8680-0081</b>	<b>Methanizer accessory built into valve oven</b>
<b>8690-0088</b>	<b>Heated, thermostatted valve oven mounted on an 8610C GC</b>
<b>8680-1081</b>	<b>Replacement Methanizer tube</b>
<b>0510-0081</b>	<b>510 stand-alone Methanizer Kit for use with any FID</b>
<b>0510-1081</b>	<b>510 Methanizer replacement tube</b>