

Custom Gas Chromatographs

METHANIZER (FOR LOW LEVEL CO AND CO2 BY FID)

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Methanizer (for low level CO and CO2 by FID)

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- Converts CO and CO2 to methane without changing retention times
- Enables the FID detector to detect low levels of CO and 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. It is installed as the removable jet in a special FID detector assembly. The Methanizer is packed with a nickel catalyst powder. During analysis, the Methanizer is heated to 380°C with the FID detector body. 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 SRI 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 (a valve oven must also be ordered; see price list below).
3. As a stand alone unit for use with any FID detector.

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

8690-0082 Methanizer, In Jet, installed in special FID detector body \$1,140.00

8670-1082 Replacement Methanizer, In Jet type (for above) \$120.00

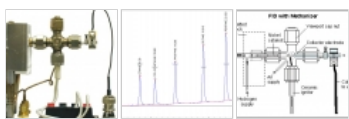
8690-0081 Methanizer accessory, built onto existing GC valve oven \$1,700.00

8690-0088 Heated, thermostatted valve oven mounted on an 8610C GC \$910.00

8670-1081 Replacement Methanizer tube, 6" x 1/8" S.S. (old style) \$120.00

0510-0081 510 Stand Alone Methanizer Kit for use with any FID \$1,480.00

0510-1081 510 Methanizer replacement tube, 3" x 1/8" S.S. \$130.00



FID+Methanizer FID+Methanizer 8670-1082 chr



8690-0081

8690-0088

About SRI Instruments

SRI Instruments is a manufacturer of high quality chromatography instruments and accessories. We take pride in providing our customers with exceptional service and attention, which is reflected in our high level of customer satisfaction. When you call SRI Instruments, you get the answers you seek from our knowledgeable technical staff.

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