

Total Hydrocarbons
Organic Compounds
VOCs
THC
Volatile
Non-methane cutter

320



An external non-methane hydrocarbon cutter provides capability to measure methane only for clients with a standard heated flame ionisation detector (FID).



Ancillary products
working alongside our
gas analysers

SIGNAL
GROUP



320 Non-methane cutter

SPECIFICATIONS

An external non-methane hydrocarbon cutter provides capability to measure methane only for clients with a standard heated flame ionisation detector (FID).

The Model 320 provides a low cost alternative to "all in one" FIDs with a built in cutter.

Housed in a portable case suitable for inline usage with portable and fixed equipment, this unit is ideal for use with Signal Model 3010 or 3030PM portable FID units. Two modes of operation allow a reading for either total hydrocarbons or methane only, allowing you to derive a value for non-methane hydrocarbon concentration.

OPERATION

In the methane mode the sample is directed through a heated catalyst. This catalyst oxidises non-methane species of hydrocarbons in the sample. The THC mode bypasses this catalyst to provide a reading for total hydrocarbon. These two modes allow the derivation of a non-methane hydrocarbon by simply deducting the methane only reading from the total hydrocarbon value.

As a stand alone unit, this cutter is suitable for use with any heated FID to obtain a methane only or non-methane concentration reading.

CONVERTER CHAMBER

Fully heated

MAX INLET THC CONCENTRATION

2000ppm propane equivalent

GAS CONTACT MATERIALS

316 stainless steel

WARM UP TIME

Average 60 minutes

CHAMBER TEMPERATURE

Factory preset

POWER

240 Vac (650W)

TEMPERATURE CONTROL

PID control

WEIGHT

6kg

GAS CONNECTIONS

1/4" stainless steel

SAMPLE FLOW

3 litres/min

FILTER TYPE

Stainless steel sintered disk

AVERGAE FILTER PORE SIZE

100 micron

CHANGEVER VALVE

Heated ball valve

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