

## CAI 700 Series MHFID THC/CH4

### Rental and Application Notes

- Measure methane only or THC. Shares one FID for both
- Measures from 30ppm up to 30,000ppm full scale
- Autocalibration and ranging
- Fast response time
- Includes built in heated sample pump
- 19" Rack mount
- Calculates, displays and outputs the sample's NMHC content
- Fuel & Air Control – Electronic Proportional Pressure Controller



	Specifications
<b>Detection</b>	Flame Ionization (FID) as Propane or Methane
<b>Unit Weight</b>	50 lbs.
<b>Dimensions</b>	5 1/4"Hx 19"Wx 23"D
<b>Power Requirements</b>	115/230(+/-10%) VAC; 50/60Hz, 750 Watts max
<b>Outputs</b>	Voltage & Current
<b>Communications</b>	RS232, TCP/IP, & Modbus
<b>Ranges</b>	0-30ppm up to 0-30,000ppm as CH4
<b>Fuel Flow Rate</b>	40% H2 60% He (120CC/min) at 25 PSIG
<b>Air Flow Rate</b>	Less than 1ppm Carbon purified or Synthetic air (220cc/min for H2/He) at 25 PSIG
<b>Sample Temperature</b>	Up to 191°C, Non-condensing (HFID) 50°C
<b>Flow Rate</b>	Typically 2LPM
<b>Detection Limit</b>	10ppb Carbon
<b>Span Drift</b>	Less than 1% of Full Scale per 24 Hours
<b>Zero Drift</b>	Less than 1% of Full Scale per 24 Hours
<b>Linearity</b>	Better than 1% of Full Scale
<b>Warm Up Time</b>	Typically 1 hour
<b>Ambient Temperature</b>	5 to 40°C