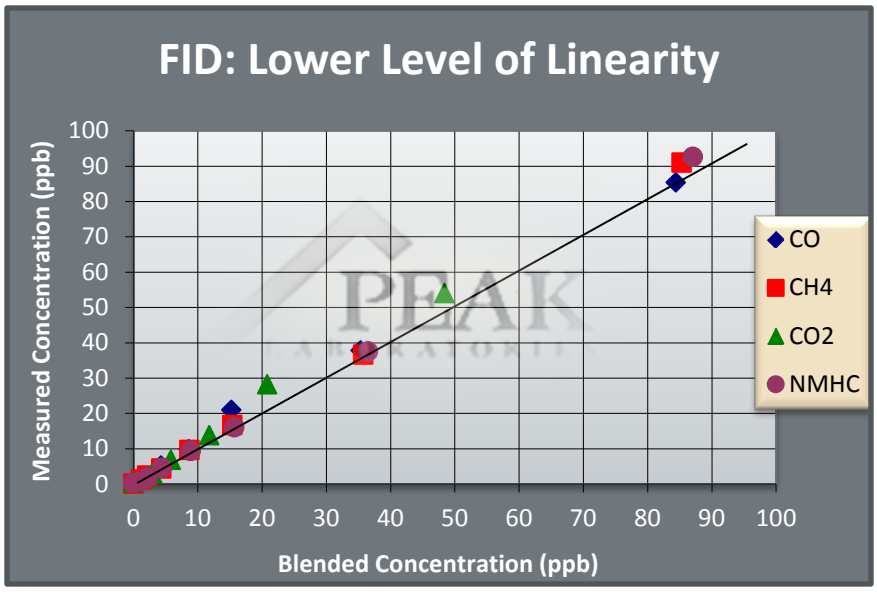
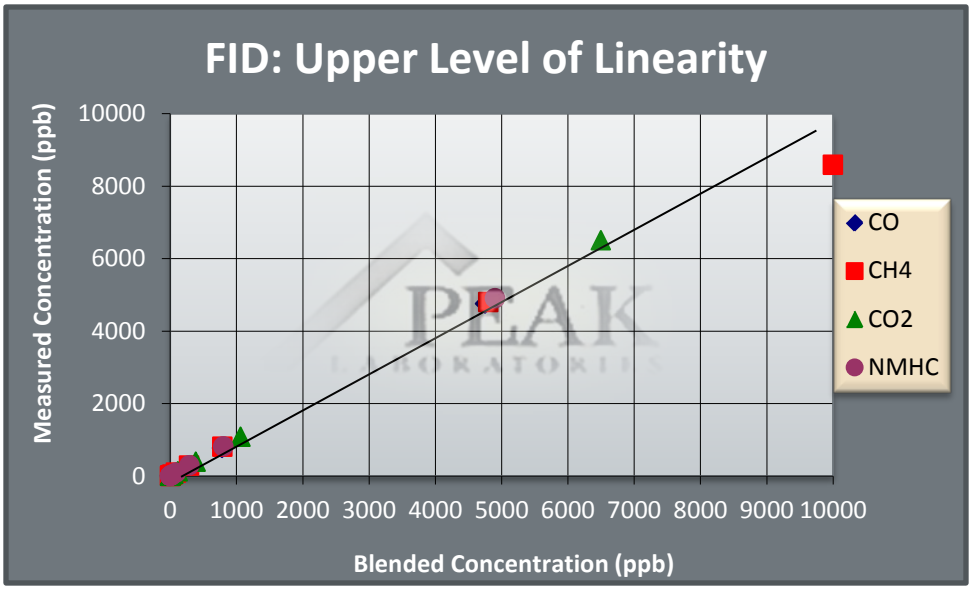



Figures 1 & 2 illustrate the lower detection limits of a FID analyzer monitoring compounds within Hydrogen gas. Using Peak's pioneered hybrid platform results are delivered accurately while maintaining linearity, down to lower and upper levels.




## Performance:

Typical lower detection limits (in parts per trillion)

| Impurity | Matrix Gas: | $H_2$ |
|---|---|---|
| **$CO_2$: Carbon Dioxide** | | **800** |
| **CO: Carbon Monoxide** | | **5 ppb** |
| **$CH_4$: Methane** | | **500** |
| **NMHC/ NMOC** | | **800** |

All performance specifications are based on fully optimized PP1 with 5 cc sample loop

***Peak Labs is your analytical partner*, not just supplier.**

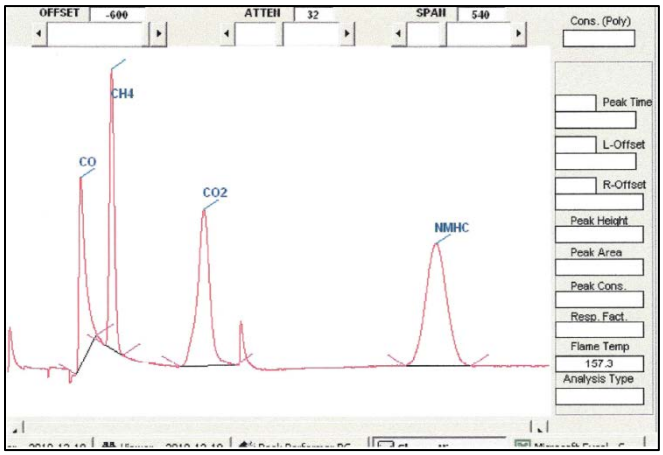
# Detection of Total Hydrocarbons, CO & $CO_2$

## Model # 920-230

Flame Ionization Detector (FID)

## Matrix Gas: Hydrogen

Peak's pioneered platform design provides customers worldwide with a portable field unit capable of delivering fast analysis at lower detection limits. Our proven technology guarantees simple and accurate measurements down to the part per trillion levels, while still offering a wide linear range. Peak's innovative design is proven to be more cost-effective and user-friendly compared to similar instruments, making Peak your number one GC choice.




**Total Hydrocarbons, Carbon Monoxide & Carbon Dioxide based chromatograph within Hydrogen matrix gas.**

## Fields of Application:

The FID **model # 920-230** is the ideal solution for the detection of **Total Hydrocarbon, Carbon Monoxide & Carbon Dioxide** compounds. Listed below are typical field applications for this unit.

- $CH_4$, CO, CO2 & NMHC in UHP Hydrogen
- Semiconductor Plants
- Quality Assurance / Control
- Process Control
- Air Separation Plants

## Model #920-230 Users

- Intel
- Air Liquide
- Samsung Electronics
- Air Products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