

AGC Instruments Main Applications by Detector

	1000 – DID	2000 – ADD	3000 – FID	4000 - TCD
ASU / Tank Farm	<ul style="list-style-type: none"> • ppb N₂O in O₂ • ppb impurities in O₂ (DeOx/Auto-switch of De-Ox with parallel regeneration) • ppb impurities in Ne 	<ul style="list-style-type: none"> • H₂, O₂, N₂, CH₄, CO and CO₂ as ppm/ ppb impurities in Ar 	<ul style="list-style-type: none"> • C₁ to C₆₊ ppm in O₂ • C₁ to C₆₊ ppm in Air • CH₄/ NMHC in O₂ 	<ul style="list-style-type: none"> • He in Ne • Ar + N₂ in O₂ • ppm impurities in Ar • N₂ Pharmacopeia
N5/N6/N7 Specialty Gases	<ul style="list-style-type: none"> • Certification of Calibration Gases for trace analysis • ppm/ppb impurities in H₂ / He / N₂/ Ar (by single NovaCHROM unit) • ppm/ppb Impurities in O₂ (N4.0 to N5.5) • ppb impurities including Ne in He N6.0 • ppb impurities in Kr or Xe 	<ul style="list-style-type: none"> • Certification of Calibration Gases for trace analysis • ppm/ ppb impurities in Ar, N₂ or CO₂ 	<ul style="list-style-type: none"> • Certification of Calibration Gases for trace analysis • C₁ to C₆₊ in specialty gases • CO/CO₂ ppb in specialty gases 	
Corrosive Gases/ Electronic Gases	<ul style="list-style-type: none"> • ppb impurities in: SF₆ / B₂H₆ / SiCl₄ / AsH₃ / PH₃ / GeH₄ / SiH₄ / NH₃ / HBr / BF₃ / BCl₃ • Impurities in Cl₂ or HCl 		<ul style="list-style-type: none"> • ppb CO / CO₂ analysis 	<ul style="list-style-type: none"> • % analysis of diluted matrix gas or gas mixtures
Food & Beverage	<ul style="list-style-type: none"> • ppm H₂ / O₂ / N₂ / CH₄ / CO in CO₂ (ISBT and CGA specifications) 	<ul style="list-style-type: none"> • ppm H₂ / O₂ / N₂ / CH₄ / CO in CO₂ (ISBT and CGA specifications) 	<ul style="list-style-type: none"> • VOC in CO₂ (ISBT & CGA) (e.g. Acetaldehyde , Methanol..etc.) 	<ul style="list-style-type: none"> • Binary or multi-component gas mixtures with a single unit
Halocarbons	<ul style="list-style-type: none"> • Impurities in C₃F₈ / C₄F₈ / SF₆ / NF₃ / CF₄ / C₂F₆ 			<ul style="list-style-type: none"> • Purity of Refrigerants
Rare Gases / Lighting Gases	<ul style="list-style-type: none"> • Impurities in Ne , Kr , Xe 			
Steam reformer/ He production or purification/ H₂ or He	<ul style="list-style-type: none"> • ppm/ ppb Impurities in He • ppm/ ppb impurities in H₂ 		<ul style="list-style-type: none"> • CH₄/ NMHC in H₂ • C₁ to C₄ ppm/ ppb in H₂ or in He 	