



# HYDROGEN ANALYZERS

Real-time monitoring and process control

## ETA Process Instrumentation

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## HY-OPTIMA™ In-Line Process Products



**HY-OPTIMA™ 700B Series**  
In-Line Process Analyzer



**HY-OPTIMA™ 1700 Series**  
Intrinsically Safe (ATEX)



**HY-OPTIMA™ 2700 Series**  
Explosion Proof (UL Class 1, Div1)

Product Number	H <sub>2</sub> Normally Present	H <sub>2</sub> Range	CO Limit	H <sub>2</sub> S Limit
700B, 1700, 2700	Yes > 0.5%	0.5% - 100%	0	0
710B, 2710	Yes > 0.05%	0.1% - 20%	100 ppm	20 ppm
720B, 1720, 2720	No (air background)	0.4% - 5%	0	0
730B, 1730, 2730	Yes > 0.5%	0.5% - 100%	100 ppm	1000 ppm
740B, 1740, 2740	Yes > 0.5%	0.5% - 100%	20%	3%

## HY-OPTIMA™ Features

- No cross sensitivity to other gases in the process stream including CO and H<sub>2</sub>S
- Real time, continuous hydrogen specific measurement
- On-site calibration
- Replaces TCD and GC devices – ask us about the cost and functionality benefits

## HY-ALERTA™ Safety Products



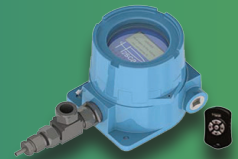
**HY-ALERTA™ 500**  
Handheld Hydrogen  
Leak Detector



**HY-ALERTA™ 600B**  
Fixed Area  
Hydrogen Monitor



**HY-ALERTA™ 1600**  
Intrinsically Safe Area  
Hydrogen Monitor



**HY-ALERTA™ 2620**  
Explosion Proof Area  
Hydrogen Monitor

## HY-ALERTA™ Features

- No false indications from combustible gases
- Hydrogen sensitivity range of 0.4% to 5.0% hydrogen by volume, (10% to 125% of hydrogen's lower flammability limit)
- Solid state device – no need to replace sensing element
- HY-ALERTA™ 500 has the ability to detect very low PPM leaks with a hydrogen sensitivity range of 15 ppm to 100% hydrogen by volume