

AccuLase-GPA™ TDL Analyzer

Single Herriot Cell H_2S , CO_2 , H_2O



GALVANIC
APPLIED SCIENCES



AccuLase Introduction

- Tunable Diode Laser (TDL) Technology
- Galvanic's 6th Platform to Accurately Measure H_2S
- Manufactured In & Supported From Calgary, AB
- Backed by 40 Years of Experience in Natural Gas

Rapid Return-On-Investment

- Never Miss Unexpected Sour Event Spikes
- Guarantee Contractual Compliance
- Automate Custody Transfer Validation
- Avoid Pipeline "Lock-Out"

Measurement Certainty

- No Scrubber, No Consumables, No Interferences
- 0.15 ppm H_2S LDL Rivals Tape Sensitivity
- 1 Laser / Cell for All 3 Compounds

Key Applications

Natural Gas

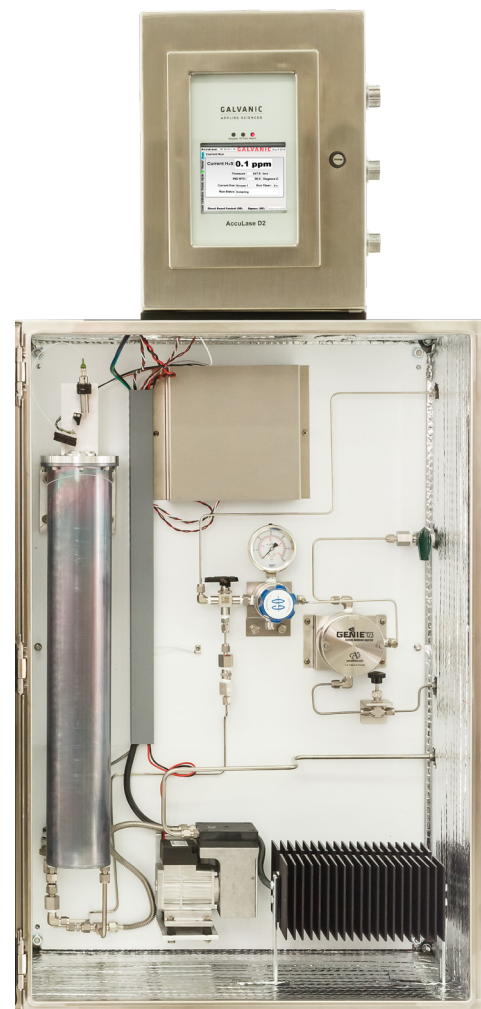
- Custody Transfer
- Underground Storage

Refinery

- Fuel Gas

Bio Gas

- Custody Transfer



AccuLase-GPA™

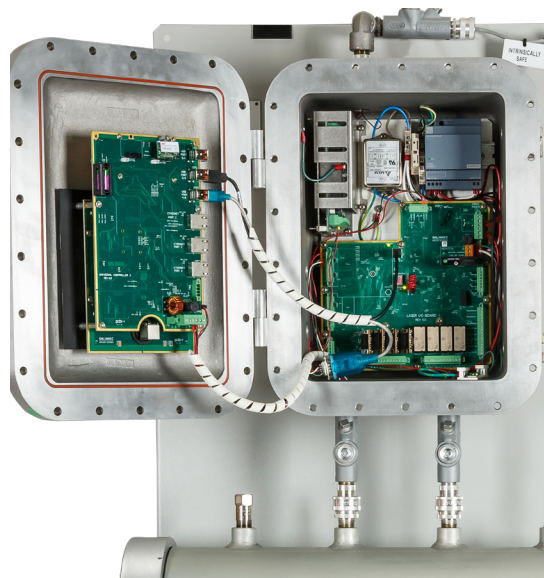
No Scrubber



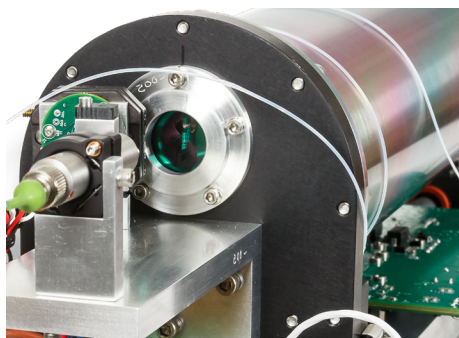
Multi-Stream



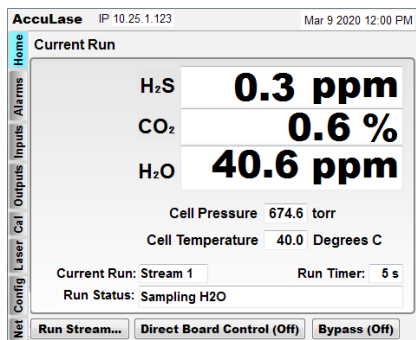
No Purge or Instrument Air Utility



No Contamination Issues



Large Local Display



Secure Remote Analyzer Access

H₂S Laser Analyzer System Alarm: Mode: READ ONLY

Navigation: Home, Alarms, Hardware Status, Global, Calibration, Run Setup, Sequencer, Scheduler, Alarm Setup, Modbus, Archive, Events

Operator

Digital Outputs

ID	Description	Reverse Logic
1	Relay 1	<input checked="" type="checkbox"/>
2	Relay 2	<input checked="" type="checkbox"/>
3	Relay 3	<input checked="" type="checkbox"/>
4	Relay 4	<input checked="" type="checkbox"/>

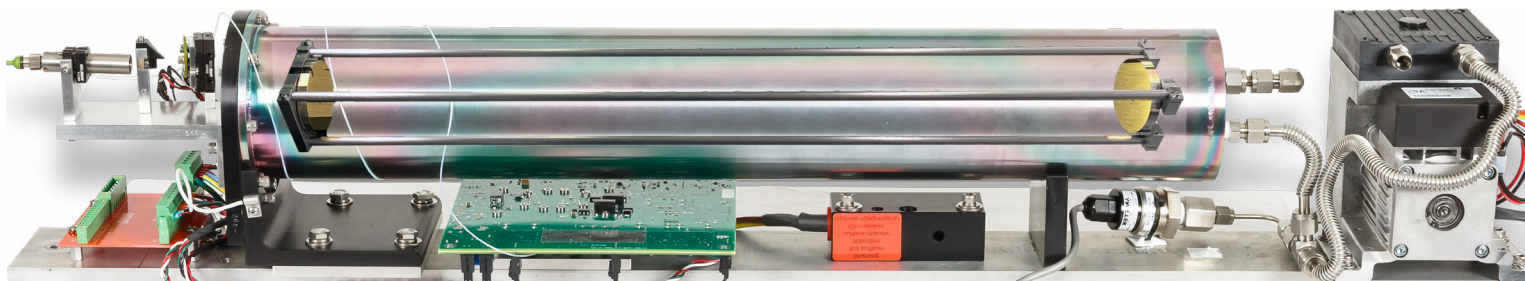
Solenoids

ID	Description	Reverse Logic
1	Normal/Fault(nc)	<input type="checkbox"/>
2	Auto/Manual(nc)	<input type="checkbox"/>
3	Run/Cell(nc)	<input type="checkbox"/>
4	Normal/Warning(nc)	<input type="checkbox"/>
5	Cell Heater	<input type="checkbox"/>
6	Zero Solenoid	<input type="checkbox"/>
7	Probe Cooler Sole.	<input type="checkbox"/>
8	Cab Cooler Sole.	<input type="checkbox"/>

Analog Outputs

ID	Enable	Description	Low Limit	High Limit	Bypass Use Fail Safe	Parameter
1	<input checked="" type="checkbox"/>	AO 1	4,000	20,000	<input checked="" type="checkbox"/>	Stream 1: Conc
2	<input checked="" type="checkbox"/>	AO 2	4,000	20,000	<input type="checkbox"/>	Stream 2: Conc
3	<input checked="" type="checkbox"/>	AO 3	4,000	20,000	<input type="checkbox"/>	Stream 3: Conc

Single Laser & Herriott Cell to Measure H₂S, CO₂, H₂O



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