

Hawk SGA

Steam

Max Condensate Rate: 8 kg/hr for 24hr+ test

- Much higher rates are possible but more frequent tank purging will be necessary

Max Saturated Steam Rate: ~12 kg/hr

Steam Mass Accuracy: ±50 grams

Flowing Temperature Probe (RTD)

Temperature Accuracy: ±0.4°C (±0.20°C typical)

Temperature Resolution: < 0.05°C

Flowing Pressure Range: 270 psia

Pressure Accuracy: 0.040 % full scale or ±0.11 psi (0.744 kPa)

Gas Equations

AGA7 and AGA8-92 Detailed

Gas Flow Rates

Hawk Vent Gas Meter: 0.028 to 340 m³/day < ±2.0 %FS

- See Hawk Vent Gas Meter datasheet for more accuracy details

Gas Turbine: 160 to 1800 m³/day < ±2.0 %FS

Certified Safety Compliance

C22.2 No 157-M 1992 : Intrinsically Safe Apparatus for use in Class I, II, III, Division I, Hazardous Locations

Gas Analysis/Sampling Module

H₂S Sensor: 0 to 400 ppm (Can be extended)

HCN%: 0 -100% (Rough indication of hydrocarbons present)

3L Test Sample Capacity for purging and transfer to pressurized bottle. Dräger/Rae Tube Accessible for field H₂S or other gas checks

Cadmium Acetate H₂S Isotope Bubbler Test Time

10ppm 36 L/day: 20 hours

50ppm 36 L /day: 4 hours

50ppm 72 L/day: 2 hours

200ppm 14.4 L/day: 2 hours

Test time is fairly linear as all the H₂S is being consumed
Double the gas rate or ppm, test time halves

Logged Values

Atmospheric Pressure

Surface Casing Vent Temperature

Condenser Inlet Temperature

Condenser Outlet Temperature

Steam Mass Rate

Remaining Gas Flow Rate (Pressure, Temperature, ACF)

H₂S ppm

Hydrocarbon%



For More Information Contact:

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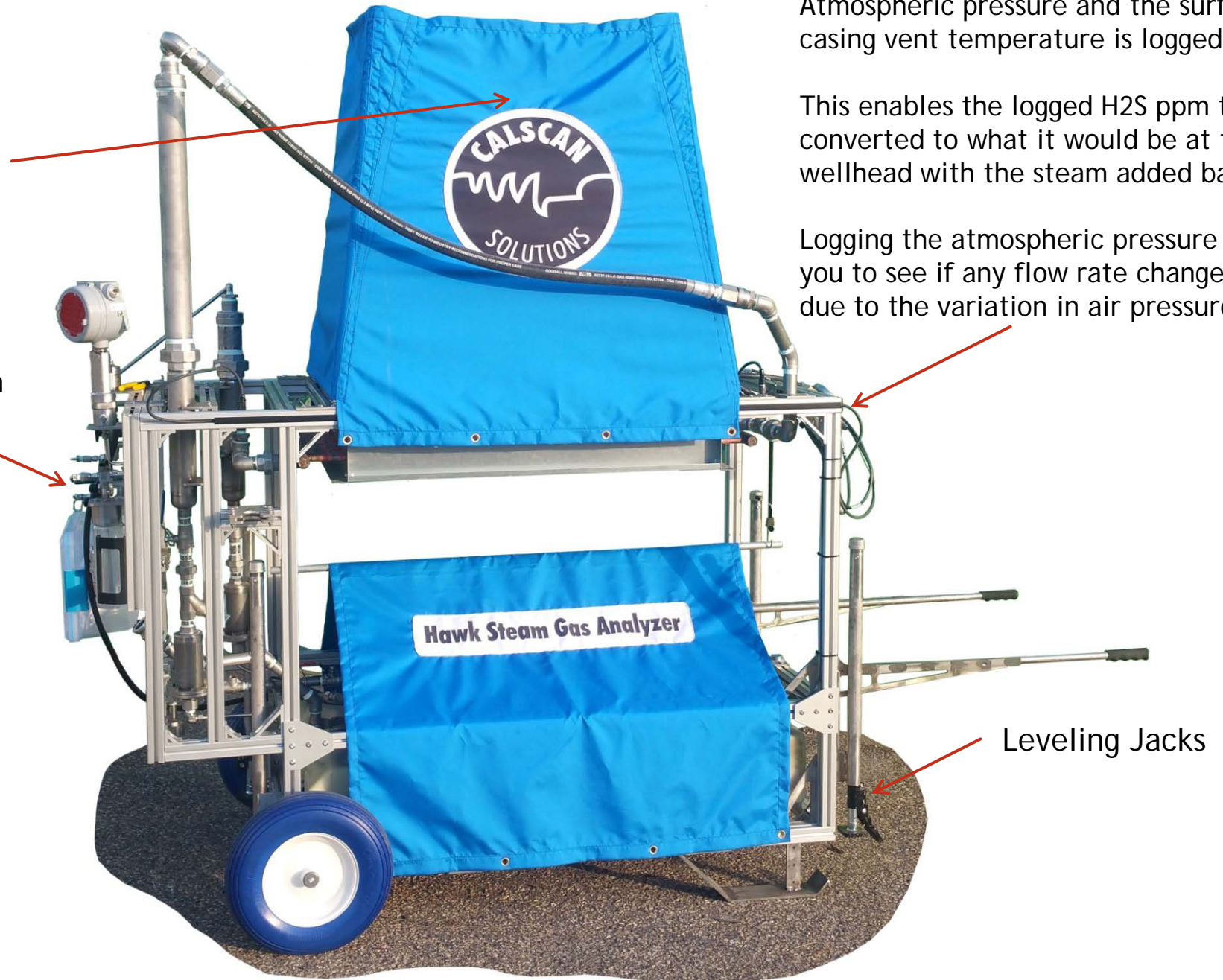
780-944-1377

Hawk SGA :

Cooling Tower for Higher Steam Rates
So no need for explosion proof fan and batteries

Gas Measurement and Sample Collection Module. H₂S and Methane Isotope sampling will show if the gas is coming from the formation or is biological in nature.

Different Gas Measurement Modules can be swapped in, for instance for certain types of integrity testing where higher gas flow rates could be expected.



Atmospheric pressure and the surface casing vent temperature is logged.

This enables the logged H₂S ppm to be converted to what it would be at the wellhead with the steam added back in.

Logging the atmospheric pressure allows you to see if any flow rate changes occur due to the variation in air pressure

Leveling Jacks