HIP

Custody Transfer Quality Meter

The HIP is a Class1 Div1, advanced gas meter designed around a partnership with Honeywell. The unit will meter 1 gas stream (DP,P,T) and will work with either AGA style or V-Cone meter runs. This unit will also measure bi-directional flow where cross flowing of gas is used. The product comes with either ± .25% or ± .1% accuracy.

The HIP uses a Smart Honeywell MVX sensor body. The MVX sensor has integrated differential and atmosphere pressure sensors built into the same body. This sensor is corrected with its own on board temperature sensor.

Communication is the product's strongest asset. A Patented communication method that uses the Internet and non-licensed radio to get data back to a secure web server is a very powerful option (SSIPac) available for the HIP.

With the SSIPac option, Internet access and a password is all that is needed to retrieve the HIP's data remotely.

Benefits:

- Continuous monitoring.
- Accuracy.
- More efficient use of field operations.
- Facilitates preventive maintenance.
- Provides the information needed for "top down" management of wells.
- Provides valuable early feedback during new field development and drilling.

Electrical

Input power 6-30 VDC.
Current draw 15 mA continuous @12 VDC.
(500 mA during radio TX)
Can be installed in locations where AC power is available.
(optional) Solar power pack available for remote areas.
1 onboard analog input available (0-5 VDC or 4-20 mA signal).
2 Serial ports (1 TTL Level).

Physical

Size: 8"x 9".
Weight: approximately 11 lbs.
Temperature rated to –40°F / –40°C.
Class 1, Div 1 rated.
NEMA 4x weatherproof enclosure.
(optional) 2" and 3 1/2 " mounting bracket.
(optional) 3 and 5 valve manifold.

Processor Memory

PIC 18F8720 MPU, main processor.
128Kb flash standard memory.
35 days of hourly and daily records stored onboard.

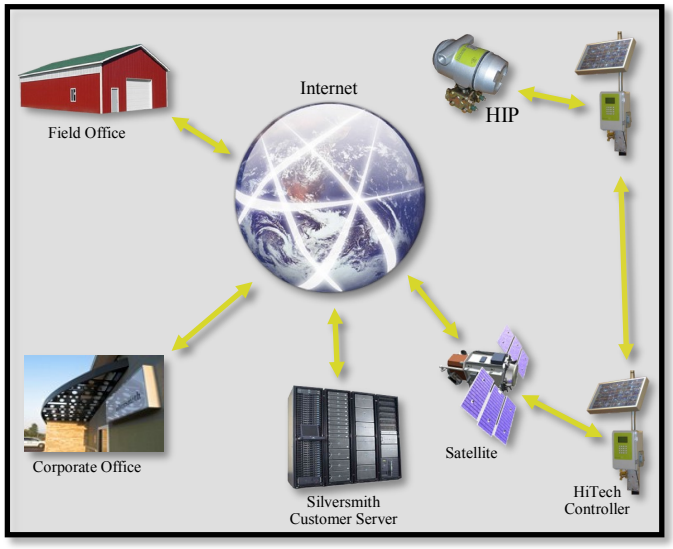
Gas Calculations

AGA3 w/AGA8 super compressibility.
V-Cone w/AGA8 super compressibility.
Onboard temperature correction available (TC and RTD compatible).

Communication

RS232 Serial (3-wire).
RS485 Bus (2-wire half-duplex).
Spread Spectrum Radio.
IP Compatible.

SSIPac



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