

Advantis

Remotely Monitor and Control Equipment

CIRCULAR PEN CHART Mimic Gauge™ MONITORING SYSTEM

The patent pending Advantis system monitors gas production using existing circular chart recorders. It integrates the chart real time using AGA no. 3 formulas and sends the information to the customer via satellite. The system can be installed by an instrument technician in two hours and can start monitoring immediately for:

- Daily or hourly gas flow
- Average pressure, flow, temperature, and extension
- Alarms for no flow
- Other - custom programming

Benefits/Features

- No infrastructure required
- Simple and cost effective
- 2 hour install and setup
- Pumper can still see the chart to manage the well
- Notification of alarms via text messages, email, or recorded voice alarms
- Quick reports and graphs—detail or summary
- No more data entry errors
- One click import to Excel
- Organize wells in different categories
- Designed to work with all types of charts
- Option to send reports to government agencies
- 1 year parts warranty
- Full audit log

Favorable Lease Options Available

Advantis

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THE ADVANTIS SYSTEM

The Advantis remote monitoring and control system is made up of three basic parts: secure Internet interface, satellites, and field equipment.

Secure Internet Interface

Signing on to your monitoring system can be done from any computer connected to the Internet. Just click the browser button and type in “www.AdvantisUS.com”. Click the secure login button and sign in with your unique user name and password. Once in, you have options to set up additional users for your company or go directly to Reports and Graphs and start viewing data from your remote equipment. If you choose, data can easily be moved into an Excel spreadsheet on your local computer.

Satellites/GSM

The network of 36 satellites circling the globe provide near real time access as they pass overhead. Multiple satellites provide significant reliability and dependability regardless of weather conditions. GSM can be integrated into the system where cell coverage is reliable.

Field Equipment

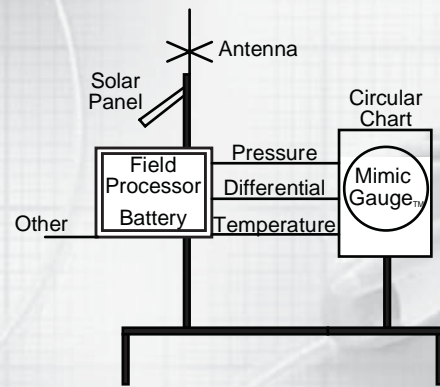
Basic field equipment is made up of an antenna, battery, solar panel, field processor, and three Mimic Gauges™ (patent pending). The field processor is programmed to monitor average pressure, flow, and temperature as well as integrate gas flow real time and accumulate the total.

How it Works

The Mimic Gauge™ (patent pending) installs on the shaft of each pen using a modified range arm to lock it in place. Each Mimic Gauge™ is calibrated to the chart. It then tracks the movement of the chart pen and gas flow is calculated. All gas flow factors can be changed via the secure internet login.

www.AdvantisUS.com

The Advantis System



Installation Overview

The Advantis system is a remote monitoring kit that is installed in the field in about 2 hours by an instrument technician. The whole system mounts on a single vertical pole attached to the horizontal pipe next to the chart recorder. Installation is four basic steps. First, install the pole, antenna, solar panel, and enclosure (field processor and battery). Second, mount a Mimic Gauge_{TM} (patent pending) to each pen shaft. Third, route a wire from the field processor to the chart recorder. Fourth, calibrate each Mimic Gauge_{TM} using the calibration tool found in the enclosure. All gas calculation factors can be modified from a secure web interface at any time.

A Value Added System – reduce costs and bring value to the operator

The monitoring system can pay for itself rapidly in different ways depending on how you operate. Below are suggested cost savings.

Operations

Reduce the number of daily trips to the well by the Pumper from 30 trips/month to 15 trips/month. Based on remote monitoring if the well is not in alarm and the flow rate is normal there is no need to go.

Change to a 15 day chart instead of a 7 day chart. The Pumper can still see the ‘heart beat’ of the well for operations and also have the paper trail for records.

The Pumper no longer makes his best estimate about production for the day. Accurate daily information is already at the desktop of production engineers each morning.

Accounting

Stop integrating the charts. More accurate integration is sent in daily. No longer wait for weeks to have the charts integrated and then have to change from estimate to actual.

Import the daily production in the accounting software. This reduces data input as well as costly errors.

Management

Management decisions are based on timely and actual information. No longer are un-timely phone calls made to other departments to get information. Overall health of production is known daily focusing on problem areas instead of just getting information.

