Gas flow measurement
XSeries automation applications

Automation objective

Flow measurement allows the basis for the exchange or sale of natural gas. Without measurement, an awareness of product value is unknown and the creation of revenues could not occur. Today's natural gas market requires high measurement accuracies and the necessity to know gas volumes instantaneously in real-time reporting.

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Gas flow measurement
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Automation solution

The Totalflow microFLO and XSeries Flow Computers and
XSeries Remote Controllers provide instantaneous calculations
of gas flow volumes. The flow calculations comply with
API 21.1 for gas custody transfer measurements and meet
the requirements of AGA3 and ISO 5167 for orifice meter run,
AGA7 rotary/turbine meter, ultrasonic meter, and V-Cone meter.
Historical flow volumes and data are maintained for 40+ days.
Low power electronics and radio communications make the
Totalflow products ideal for remote installations. Real-time
volumes can be obtained locally with Totalflow PCCU software
or remotely with Totalflow WinCCU software or SCADA Vision.
Single and multiple meters can be input to one flow computer.

Solution benefits

Accurate flow measurement
Flow calculations meet industry gas custody transfer requirements.

Real-time flow volumes
Remote communications via radios permit instant access to flows and other pertinent data.

Easy installation
Mount XSeries; connect solar panel.

Simple start-up
Enter initialization requirements with PCCU software or WinCCU software.

Low power electronics
Helps extend battery life, reduces maintenance expense, and allows for more run time.

Extendable
The XSeries can also provide alarming, data logging, level measurement, remote communications, plunger optimization, and nomination control while performing Gas Flow Measurement.

Totalflow recommended equipment

– Qty 1 – Model XSeries Flow Computer or Remote Controller with Solar Panel
– Qty 1 – PCCU Laptop Communication Software
– Options – Radio for Remote Communications; WinCCU Remote Host Software

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