

# SENTRY

## TECHNOLOGIES

Cost-effective Automation Systems

# RealFLO 4202GFC

## RealFLO™ 4202GFC

### Features:

- AGA-3, 7, 8, V-Cone and API 21.1 compliant
- Two RS-232/485 selectable serial ports
- 1 RTD, 1 turbine meter input
- 1 digital pulse/input/output, 2 analog inputs, 1 digital output shared with the turbine meter input - DS version
- Modbus master/slave and Modbus EFM protocols
- Small and lightweight with flexible installation options and easy retrofit applications
- cULus Class 1, Division 1, Hazardous Area Rating



The RealFLO 4202GFC is a highly integrated gas flow computer incorporating a multivariable sensor and a complete PLC. The product is compatible with industry standard programming environments including IEC 61131-3. Coupled with a second multivariable transmitter, the RealFLO 4202GFC can be used as a two-run gas flow computer.

### Overview:

#### Integrated PLC –

With a Control PLC incorporated inside the RealFLO 4202GFC body; this product provides a fully programmable platform that can be used in a wide variety of process control applications. Since both of the serial ports can communicate with other devices, the 4202GFC can scale to accommodate specific needs. Connected to other PLCs, the 4202GFC can take advantage of expanded I/O capabilities and the wide variety of functions they enable.

#### Applications:

With a choice of I/O configurations available, the 4202GFC can accommodate multiple input and output devices and can be easily expanded for more complex installations. The 4202GFC's two discrete inputs are versatile, the first of which can use level or pulse input up to 10 kHz. The second discrete input has an integral pre-amplifier for use with turbine meters. An optional analog output can be used for variable speed motor drives, control valves, emergency shutdown and more.

Alternatively the 4202GFC can be ordered with two analog inputs that could be used for measuring tubing and casing pressures in well applications.

The RealFLO 4202GFC provides two, fully functional RS-232/485 serial ports that can be used with remote I/O, radios, local displays or other serial devices. The unit provides Modbus master/slave and EFM Modbus as its native protocols. DNP 3.0 is optionally available and custom protocols can be easily implemented using the TelePACE C programming tools.

As a fully programmable gas flow computer with remote configuration capabilities, the RealFLO 4202GFC can be used in a wide range of process control applications including: well optimization, pressure control, odorant injection and more. The cULus Class 1 Division 1 Hazardous Area Rating also makes it ideal for use in petrochemical, industrial and below-grade municipal applications.