

Pilot Pro™

Parker's communications interface
for process sample conditioning systems



Pilot Pro™ provides real-time sample system information for critical process control decisions

Pilot Pro™ is a process sample conditioning system communications interface designed to link plant process control operations and analyzer maintenance networks. A sensor and solenoid administration module, Pilot Pro™ is designed to acquire, transmit and manage real-time sample system information. Its flexible communications capability allows analyzer engineers to receive critical sample system data (pressure, temperature, and flow) to promote proactive maintenance activities and reduce downtimes.



Contact Information:

Parker Hannifin Corporation
Instrumentation Products Division
1005 A Cleaner Way
Huntsville, AL 35805

phone 256 881 2040
fax 256 881 5072
dbush@parker.com

www.parker.com



Product Features:

- Designed to connect the sample system and analyzer data to the maintenance and operations networks, facilitating critical process control decision-making
- Supports a variety of communication protocols, meeting a growing, industry-wide need to do process analysis remotely
- Accommodates both modular and conventional sampling conditioning systems, offering far greater versatility for a wider range of customer applications than other competitive systems
- Optional custom pneumatic and electric feed-throughs provide reliable separation of hazardous zones while allowing real-time troubleshooting of electrical components
- Features hazardous area certified, off-the-shelf hardware for reduced order and delivery times, guaranteed reliable performance and ongoing product support
- Enclosure options allow remote mounting of the communications interface to accommodate spacing restrictions

ENGINEERING YOUR SUCCESS.

Pilot Pro™ Makes “Smart” Systems a Reality for Process Analytical Applications

Currently, greater than 75% of process analyzer failures in the areas of chemical, petrochemical and power generation can be related to inaccuracies in sample handling systems. Many plant operators have recurring problems with poor analyzer performance. As a result, they remove the analyzer from control schemes, or incur significant costs for analyzer technician call-outs. Maintenance can be time consuming and ineffective without key sample parameter information. Parker's Pilot Pro™ eliminates these issues while minimizing the need for costly communication infrastructure upgrades.

Able to support a variety of communication protocols, including Ethernet, Modbus, Profibus, and others, Pilot Pro™ provides a complete communications solution for process analytical applications, making “smart” systems a reality for both modular and conventional sample handling systems.

In addition to supporting multiple communication protocols, Pilot Pro™ offers other unique features as well. Through options, custom pneumatic and electric feed throughs provide the end user with reliable separation of hazardous zones while allowing real-time troubleshooting of electrical components. Pilot Pro™ features

hazardous area certified, off-the-shelf hardware for reduced order and delivery times, guaranteed reliable performance, and ongoing product support. Plus Pilot Pro™ can be utilized with Parker CTC HMI (Human Machine Interface) hardware and software for data trending of information from multiple Pilot Pro™ units and analyzers systems.

All Pilot Pro™ hardware is rated for FM Class I Div. II or ATEX Zone 2 operation. The system enclosure is NEMA 4X rated, with options including solenoid valves manifold-mounted in

4, 6, or 8 valve configurations with manual locking override and LED indication (blanking plates may be used to isolate unused valve positions). A variety of PLC systems or simple I/O chassis hardware may be used for transmission of data to local area analyzer networks or to the plant DCS. Hazardous zones are separated by a compression barrier that allows the removal or the addition of transducer/analyzer hardware from the sample system. Finally, multiple pneumatic and electrical interfacing options are available to meet customer mounting preferences.

