



COMPRESSOR-Pack™

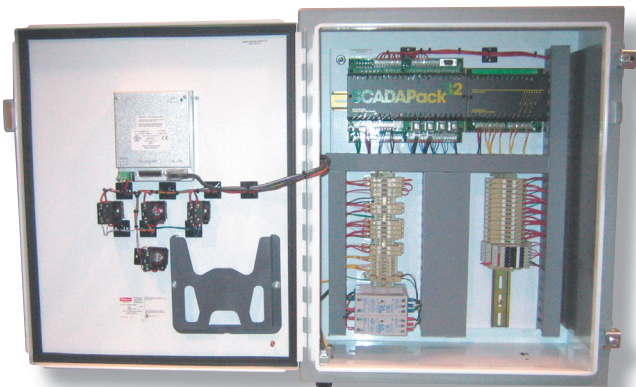
Product Specification Sheet

Local/remote controller for Wellhead and lateral line compressors

Auto restart function with excessive restarts alarm

Custody transfer quality gas measurement

Local/remote alarm and setpoint configuration and display



Features

- Based on 32 Bit SCADAPack32™ PLC
- Designed for Compressor Control and Alarming
- Pocket Loading/Unloading
- Cooling Fan Control
- Requires Limited PLC Experience
- Native Modbus Communications
- SCADA Screens Available for Wonderware and CygNet

The Insight Technical Services, Inc. (**itsi**) **COMPRESSOR-Pack** is designed for wellhead and lateral compressor monitoring and local/remote control. The foundation of the **COMPRESSOR-Pack** is Control Microsystems's SCADAPack32 PLC that is powered by a 120MHz 32bit CPU and has 8Mb SDRAM, 4Mb Flash and 1Mb of CMOS RAM memory. When combined with CMI's RealFlo gas measurement software the SCADAPack32 has the ability to provide custody transfer quality gas measurement for up to 10 meter runs.

The **COMPRESSOR-Pack** is an autonomous compressor controller that enables local/remote control. The base model supports 8 analog inputs, 8 thermocouple inputs, 16 discrete inputs and 12 discrete outputs which are end-user configured for control and/or alarming. The **COMPRESSOR-Pack** utilizes user configurable set points and timers to control pocket loading and unloading based on load amperage, manifold pressure or any other measured control variable. Cooling fan control is provided using any combination of monitored temperatures. An auto restart function allows the compressor to restart after a power outage without operator intervention. In conjunction with this the "Restarts per hour" alarm prevents excessive restarts.

The **COMPRESSOR-Pack** uses a 27 key, 4x20 character LCD display as the local operator interface. The Main screen displays the current PLC date and time as well as the current compressor operating state. The **COMPRESSOR-Pack** interface is designed to scroll/pause through current process values, discrete/I/O statuses, alarms and shutdowns at a touch. Function keys and menus provide access to password protected configuration, control and alarming set points and parameters. The **COMPRESSOR-Pack** includes front panel pushbuttons for Start, Stop and Alarm Reset local control of the facility pumping unit. The use of pushbuttons allows remote control to override local settings reducing lost time in return trips to the site. A facility shutdown pull-button is also located on the front panel.

When equipped with the RealFLO gas measurement option the **COMPRESSOR-Pack** provides control of all compressor operations as well as custody transfer quality gas measurement of fuel gas and station discharge gas. Our custom programming and packaging, derived from many years of experience in the oil and gas industry, makes this THE off-the-shelf solution for your compressor automation needs.

Ask us about custom solutions.

COMPRESSOR-Pack™ SPECIFICATIONS

Compressor Automation.....	Wellhead and Lateral Line Compressors
Alarms.....	Operator Configurable Alarm Setpoints
Shutdowns.....	Operator Configurable Shutdown Setpoints
Shutdown Capture.....	First-Out Shutdown Capture, 10 Shutdown History
Bypass Timers.....	Configurable Short Timer and Long Timer Bypass Timers
Flow Measurement.....	Custody Transfer Gas Measurement for up to 10 Meter Runs
PLC I/O Protection.....	All I/O is Fused & Isolated from SCADAPack PLC
Panel Wiring.....	Ready Wired for Field Installation; Field Connections Isolated from Internal Wiring
Setup.....	Limited PLC Experience
Documentation.....	Schematics and Wiring Instructions Included with Each Unit
SCADA Enabled.....	Pre-Configured SCADA Screens Available for Wonderware and CygNet
Expandable.....	COMPRESSOR-Pack Can Be Expanded As Needed
Communications.....	Modbus Native, 3 RS232, 1 RS232/485 Configurable, 1 Ethernet Port
Enclosure.....	NEMA 12 Hoffman Enclosure
Area Rating.....	Class 1 Div 2 Hazardous
Environmental.....	-40 to 158 Degrees Fahrenheit Operational
Terminals.....	Weidmuller Terminals and Fuse Blocks Used Internally
Warranty.....	3-Year on SCADAPack32 PLC



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