



Weatherford®

ePRO™ Sensor Data Process System

Weatherford's production optimization group, eProduction Solutions (eP), offers the ePRO sensor data process system. The unit offers compact size with ease-of-use. The backlit LCD displays pressure and temperature data at a two sample-per-second rate.

Designed for ruggedness, the ePRO system can be pole mounted or building enclosed. Outdoors, from Northern Canada to Latin America, the unit can be installed with no special considerations for venting or heating.

A surface interface for the Weatherford's sPOD™ single-point digital sensor, the system's data storage and pressure signal output is ideal for use in your automation application.

A model solution for single well applications, the unit outputs a pressure control signal to variable speed drive controllers to automate your artificial lift equipment. With low power requirements for the entire system, pressure monitoring wells where line power does not exist is made simple.

Combine the system directly with the ePAC™ vector flux drive and your automation package is ready for use. With the addition of the Weatherford radio or SCADA interface, the ePRO system is ready to communicate from the most demanding environments.



Specifications

General

| | |
|-----------------------------------|---|
| Enclosure Dimensions | 5" (12.7 cm) D x 7-3/8" (18.7 cm) W x 9-1/4" (23.5 cm) H, metal latch with lock clasp |
| Weight | 5 lbs (2.27 kg) |
| Display | Dual line: pressure and temperature, backlit |
| Operating Temperature | -4° to +185°F (-20° to +85°C) |
| Configuration and Setup Interface | DB9-F, RS-232 PC serial communication |
| Host Software | Windows® 95, 98, NT, or 2000 |
| Data Storage | 3000 records |
| Storage Frequency | User defined, 30 seconds to 1 hour intervals |
| Communication Protocol | Modbus™ RTU |
| Field Termination Connections | Bi-level, fused screw terminal |

Electrical

| | |
|---------------------------|--|
| Voltage Input Requirement | 24 Vdc |
| System Power Consumption | 3.5 Watts (with sensor) |
| Back-up Battery | 3.0 V lithium, static life (5.5 years) |

Analog Outputs (AO)

| | |
|------------------------------|--|
| Dedicated Pressure Output | 4- to 20-mA, scaleable, requires 9- to 32-Vdc from remote side |
| Dedicated Temperature Output | 4- to 20-mA, scaleable, requires 9- to 32-Vdc from remote side |

Analog Inputs (AI)

None



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