Guardian Support

Guardian Support is the base element for the Emerson SureService™ program. The Guardian Support is a prognostic service designed to optimize the availability, sustainability and performance of your system.

Guardian Support aggregates and securely delivers personalized real-time service intelligence tailored specifically to your system architecture, assets and use. Additionally, Guardian provides support elements including remote system diagnostics and expert technical support to help you effectively manage your system throughout its life-cycle. The result is a single point of critical system information to help you effectively manage your system.

Guardian Support benefits you with:

- Better decision making
- Improved staff productivity
- Lower operations and maintenance costs
- Better operating performance
- Improved capital efficiency

Guardian Support features:

- Expert technical phone support
- Remote system diagnosis
- Software updates
- The Guardian dashboard support website with user-configurable content specific to your system
- Automated Service Notifications that are user-selected and system-specific
- System Analysis Reports
- Service bulletins, availability of updates, compatibility information, and life-cycle information

Get started today

Daniel’s highly trained certified technicians are located worldwide, providing you with service and support in more than 80 countries.

For a DanPac Measurement and Control System quotation configured to meet your specific requirements, whether as part of a new metering installation or as an upgrade to an existing installation, please contact your nearest Daniel Measurement and Control Sales and Service office as indicated below.

Smart flow control

Daniel® Process Acquisition Controller system known as DanPac® provides accurate measurement and unsurpassed control of oil and gas custody transfer and fiscal flow metering installations.

Built around Emerson measurement technologies, DanPac system provides users with multiple meter capability, built-in redundancy and easy integration with a broad variety of DCS hosts and SCADA.

DanPac software coupled with a high-speed workstation allows unparalleled monitoring and control of all key metering parameters, proving and sampling—all from one location.

Engineers and systems operators are able to compare different meter streams based on: temperature, pressure, flow meter factors and repeatability in addition to viewing prove sequence flow charts. Measurement uncertainty reports and online calculations can also be easily accessed for timely detection of measurement variability.

Furthermore, DanPac unleashes the power of intelligent field devices, delivering diagnostic information to predict maintenance requirements, avoid unexpected shutdown and maximize system uptime.

Typical metering system with DanPac.
DanPac Measurement and Control Systems are scalable and can be configured to meet your particular needs. All systems include the following foundation building blocks:

- HMI operator workstation(s)
- Pro Plus engineering station
- DanPac controller with hardwired I/O as required
- Daniel S600 flow computer(s)
- DeltaV™ system software
- Reports and application-specific software
- Redundant output ports

**Scalable tools**

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**Reliable Measurement**

The predictive intelligence of DanPac provides reliable measurement utilizing a robust redundant communications architecture and process alarms to minimize lost and unaccounted for hydrocarbons. Other benefits include:

- Identification of temperature, pressure and flow trends to quickly pinpoint operational anomalies
- Integration of prover sequence flow chart with prove control screens
- Comparison of different meter stream based on temperature, pressure, flow meter factors and repeatability
- Graphical display of metering process provides diagnostic information in an easy-to-use format
- Process alarms alert operators to possible issues in real time
- Characteristic data for each flow meter can be entered in the system database ensuring individualized high-precision metering
- Single software platform
- Quality analysis device data (e.g. from analytical instruments) can be entered for correction of product delivery information when required
- Important data such as delivery tickets, proving reports, summary reports are archived for future reference
- Standard or optional user-customized reports can be presented to authorities/customers in both printed and electronic format
- DanPac software can communicate with DCS hosts/SCADA to provide metering information on multiple levels (e.g. in refineries or LNG terminals)
- Supports multiple meters, provers and analytical devices

**PlantWeb™ Connectivity**

DanPac’s Logic controller, intelligent devices and AMS software work together as an integrated solution to form PlantWeb architecture, delivering precision control and turning the wealth of diagnostic data in intelligent field devices into actionable information.
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Keeping you at peak performance

Daniel is the global leader in custody transfer and fiscal flow measurement products, systems and services. We understand the importance of your flow metering measurement, and in an environment of volatile oil and gas prices, the financial risk due to measurement uncertainty is greater than ever before. That’s why Daniel is committed to helping reduce your metering equipment uncertainty anytime and anywhere.

Our global reach, broad range of services and certified service specialists supported by over 75 years of oil and gas industry experience enable Daniel to support you for the life of your metering installations — and that’s a certainty.

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