Maximize uptime and system reliability by giving operators direct, real-time access to critical metering information. The powerful Daniel DanPac Express system provides constant visibility to alarms and events while ensuring data integrity and accuracy is maintained at all times.

This integrated metering control solution provides a simplified architecture yet offers a complete set of high performance tools, including full-function graphics, integrated historical trending, a powerful fiscal reporting package, alarms prioritized by user and multi-level security. The system also offers a user-friendly interface with built-in features that streamline information access and facilitate data management.

**Features and Benefits**

- ‘Defense in Depth’ security that includes multi-level user access, anti-virus support and more to ensure data integrity and accuracy is maintained
- User-friendly operator interface that provides constant visibility to alarms and events and streamlines access to system data
- Powerful fiscal reporting package that combines all key metering parameters to streamline audit trail requirements
- Integrated historical trending support with drag-and-drop functionality that simplifies customization of detailed trends
- World-class project execution and support including custom design and implementation of any solution with impunity
- Comprehensive support package available globally via a network of Emerson offices that are staffed with systems experts for rapid troubleshooting
### User-Friendly Interface

The software platform is specifically designed for the critical needs of metering control and the intuitive interface includes navigation for alarms, graphics and other applications. With its familiar Microsoft® Windows® Explorer®-type environment, users will quickly learn how to navigate the system. In fact, the easy-to-use, built-in display editor assures rapid development of customized desktop displays and reports.

Designed with both operations and engineering users in mind, the built-in display editor allows metering information to be presented with extensive detail and offers exceptional formatting flexibility. With drag-and-drop functionality and a library of standard graphics, users of all skill levels can creatively present metering control information to improve daily operations and enhance reporting.

### Extensible Plugin Architecture

The versatile DanPac Express system allows content to be created in a number of ways. Only the user’s imagination limits the functionality that can be realized. Typical and standard control sequences supported by the system include:

- Batching
- Proving
- Flow Switching
- Well Testing
- Sampling
- Valve Control
- Gas Chromatograph Control
- Deviation Checking.

### Comprehensive Alarm and Event Handling

A SQL database stores a record of all alarms and events centrally on the engineering workstation. The only limitation to the logging capacity of the system is the amount of disk storage space that is available.
Extensive Reporting and Trending

Real time and historical trending is supported with user customization as simple as dragging and dropping content from any point in the database onto the applicable trend display. In addition, trends can be easily exported into Microsoft Excel® or CSV format for distribution.

The simple yet powerful reporting application puts an abundance of design, trigger and destination options at the fingertips of the user. Once again, any point in the system database can be dragged and dropped onto the design template. Reports can be printed and stored throughout the network.

Comprehensive Security

A comprehensive ‘Defense in Depth’ approach is used to ensure a series of hardened layers are put in place to secure the DanPac Express system. All aspects of the system are taken into consideration, including software, hardware, network and physical security, to ensure a tailored security solution is provided.

Third Party Interfaces

Open connectivity is a basic requirement of any control system and DanPac Express easily interfaces with all Emerson flow computer models as well as third party devices. The system supports a host of third-party protocols ‘out-the-box’ and custom protocols can be quickly developed using the simple plugin architecture upon which DanPac Express is built. Modbus, OPC, HART, SQL and ECMA24 have already been deployed for interfacing with several devices, distributed control systems and business systems, making DanPac Express well-suited for both green and brown field metering control system projects.

Distributed System Architecture

DanPac Express offers the flexibility to support distributed processes across multiple sites, providing a common and seamless user interface. Backed by a wealth of systems engineering expertise, our track record is unparalleled for successfully implementing complex architectures with stringent IT security requirements using thick and thin clients across networks.
Expert Project Execution

From the simplest of flow measurement solutions to mega projects with significant complexity and bespoke requirements, Emerson offers an unparalleled depth of expertise. Every DanPac Express project is carefully managed by experienced engineers who have a full understanding of the nuances of software project development, its iterative nature and the fact that early client engagement is a critical step to successful implementation. Client engagement includes design meetings, remote demonstrations of displays, reports and logic sequences, and even remote client-witnessed testing to ensure all requirements have successfully been met. At Emerson, we implement a project management process to ensure open communication and a clear path of execution from beginning to end.

Global Service and Support
At Emerson, project execution excellence is coupled with exceptional Lifecycle Services.

With a legacy that spans more than 80 years, we are highly regarded for providing unprecedented oil and gas flow measurement expertise. We also have an unparalleled ability to provide the most comprehensive global support package available for metering systems.

Support begins with a call or email to our Emerson Customer Service Center where a 24-hour helpline is available 365 days a year. Often times, remote diagnosis and in-house shadow systems can be used to resolve many problems quickly and conveniently.

Training, On- or Off-Site
To realize the full potential of a metering system, we strongly encourage customers to have operators participate in in-depth training to heighten skills, ensure system optimization and maximize the return on investment. Courses for Emerson systems and technologies are held at regional Emerson training facilities or can be conducted at a customer site.

DanPac Express Upgrade Program
An optional upgrade program is recommended to all DanPac Express customers. With a subscription to this program, a package of benefits will automatically be issued, including annual software upgrades. Details on this upgrade package as well as information on additional maintenance programs are available upon request.