



Plan for success

Using Daniel Start-up and Commissioning Services is the best way to ensure faster, safer and more efficient implementation of your Daniel flow measurement equipment.

Service is executed using all the modern tools and technologies associated with our products. This includes a full physical and functional examination of the equipment and installation. Specific activities are defined by individual product instructions and start-up procedures that can be tailored to the particular application, taking into account local metrological requirements, best practices and site safety policies.

Daniel provides services during all key phases of the start-up operation:

- Supervision of correct installation
- Pre-commissioning and validation testing
- Start-up and live operational testing
- Operation and maintenance training
- Post-commissioning support and handover

Faster implementation

Daniel Start-up and Commissioning Services ensure a successful and faster implementation by:

- Identifying and eliminating installation problems
- Verifying measurement accuracy
- Providing full documentation of all activities and findings
- Customizing methods and activities to meet your specific needs

Right from the start

Daniel Start-up and Commissioning Services include the following:

Prior to site work

- ✓ Preparation of necessary documentation, drawings and start-up procedures
- ✓ Check of equipment delivery data against project specifications

During site work

- ✓ Safe power-up of control panels, computers and field equipment
- ✓ Verification of instrument function and accuracy
- ✓ Verification of configuration data and fidelity of calculations for fiscal metering
- ✓ Testing data communications to external devices
- ✓ Safe introduction of product flow and live functional testing
- ✓ Demonstration of safe and correct equipment operation

After commissioning

- ✓ A Field Service Report is provided detailing actions taken, applicable test results, actions pending and any recommendations to improve operation and performance of the equipment

Sustaining your operation

Once your metering system is in operation, we offer a comprehensive range of services covering technical support, maintenance and upgrades for equipment, and continuing training for site personnel throughout the life of the system. Our Customer Training service sheet provides details of structured training courses that can be delivered either at Daniel premises or at your site.

You may find these Service sheets valuable:



Meter Inspection and Recertification



Metering Equipment Audit Service

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 quotation customized to meet your particular service needs, please contact your nearest Daniel Measurement and Control Sales and Service office as indicated below, or submit a service request online at <http://www.daniel.com/service/servicerequest.htm>.

Keeping you at peak performance

Daniel is the world 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.

**Emerson Process Management
Daniel Measurement and Control, Inc.**
www.daniel.com

North America/Latin America:
USA - Houston, Texas
T +1.713.467.6000
USA Toll Free 1.888.FLOW.001

Middle East, Africa: Dubai, UAE
T +971.4.883.5235

Asia Pacific: Singapore
T +65.6777.8211

Europe: Stirling, Scotland
T +44.1786.433400

©2008 Daniel Measurement and Control, Inc. All Rights Reserved.
Unauthorized duplication in whole or in part is prohibited.
DAN-SRVS-Start-up & Commissioning-FLR-1208 /Printed in the USA.

Daniel Measurement and Control, Inc. ("Daniel") is a wholly owned subsidiary of Emerson Electric Co., and a division of Emerson Process Management. The Daniel name and logo are registered trademarks of Daniel Industries, Inc. The Emerson logo is a registered trademark and service mark of Emerson Electric Co.

DANIEL®


EMERSON
Process Management