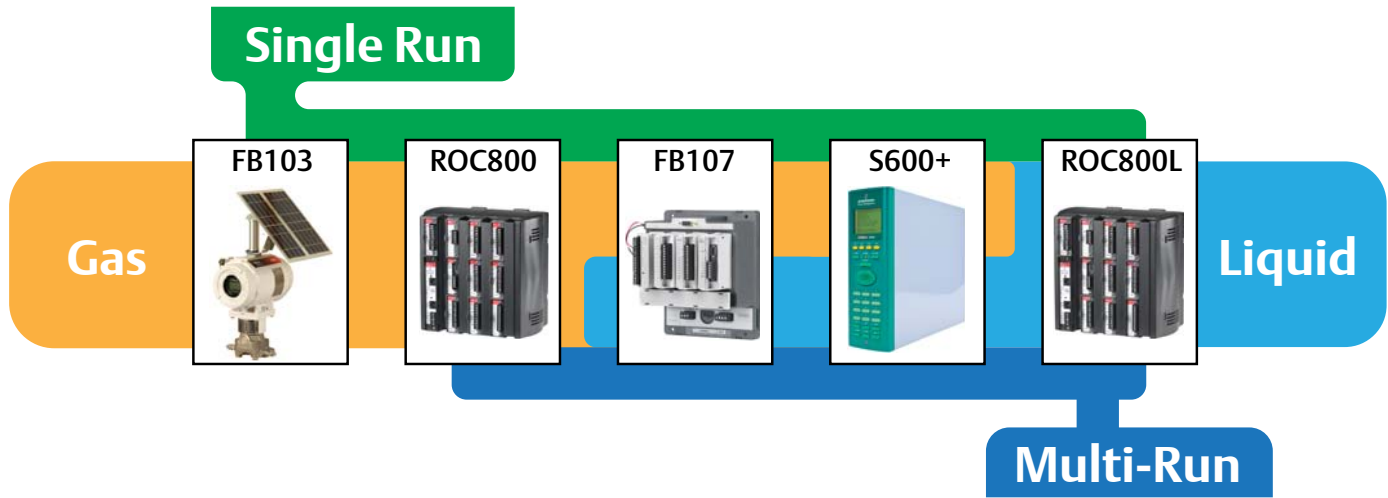# Enhance your fiscal measurement operations

Flow Capabilities Overview
Achieve unparalled productivity with best in-class fiscal measurement devices for critical oil and gas operations.
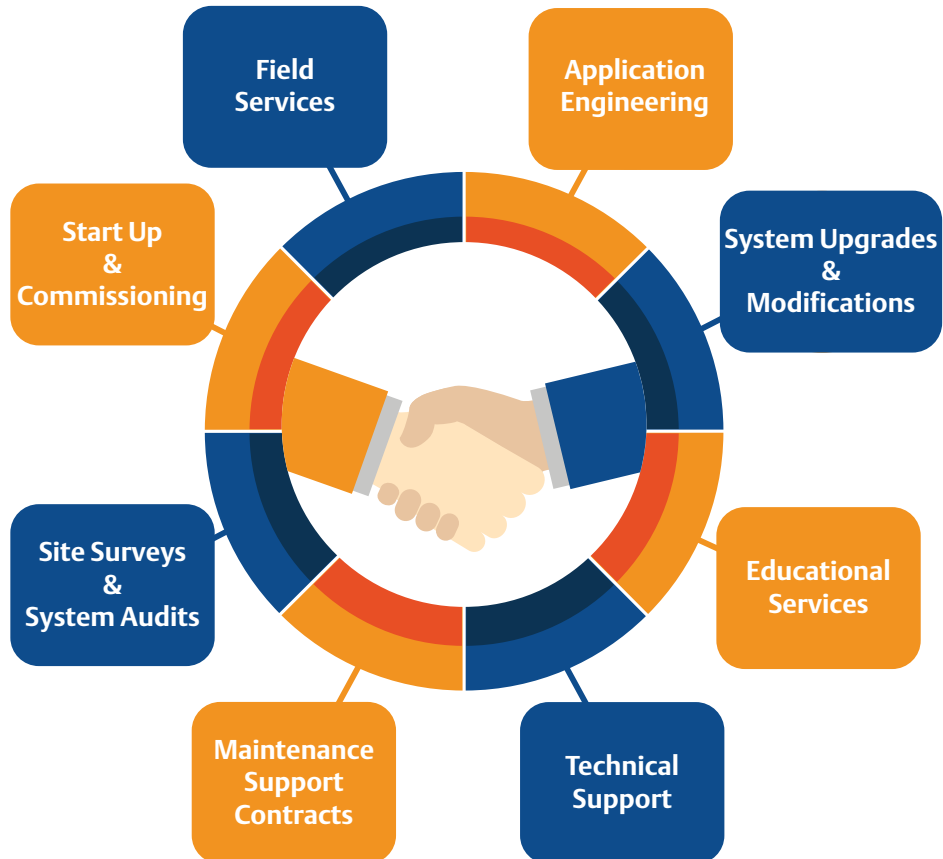
EMERSON
Process Management

Whether you are looking for maximum flexibility or fit-for-purpose, we have the right solution for your application.

Emerson Flow Computer Range

Single Run

Gas

FB103	ROC800	FB107	S600+	ROC800L

Liquid

Multi-Run

Total Service & Support Offering

- Field Services
- Application Engineering
- Start Up & Commissioning
- System Upgrades & Modifications
- Site Surveys & System Audits
- Educational Services
- Maintenance Support Contracts
- Technical Support

Functionality Matrix

Flow Computer Features	FloBoss S600+	ROC800L	ROC800	FB107	FB103
Suitable for Panel Mount Safe Area	●	●	●	●	○
Suitable for ATEX Exn (Zone 2)	○	●	●	●	●
Suitable for ATEX Exd (Ex. Proof)	○	○	○	○	●
Suitable for Hydrocarbon Gas Metering	●	○	●	●	●
Suitable for Hydrocarbon Liquid Metering	●	●	○	●	○
Calculation Accuracy ±0.001%	●	●	○	○	○
Calculation Accuracy ±0.01%	●	●	●	●	●
64 Bit Double Precision Calculations	●	●	○	○	○
Measuring Instruments Directive (MID) Compliant	●	○	○	○	○
Calculation Verification by Nmi	●	○	○	○	○
Offline Configuration Tool	●	●	●	●	●
Online Configuration Tool	○	●	●	●	●
Customised Menu & Displays	●	●	●	●	○
Webserver Interface	●	○	○	○	○
Configurable Reports	●	●	○	○	○
Densitometer Support	●	●	○	●	○
Wet Gas Algorithms	●	○	○	○	●
Maximum Number of Metering Streams	10	6	12	4	1
Maximum Number of Stations	2	6	2	0	0
Gas Chromat Interface	●	○	○	●	○
Serial Printer Interface	●	●	○	○	○
Network Printer Interface	●	●	○	○	○
Maximum Number of Ethernet Ports	2	1	1	2	0
Maximum Number of Serial Ports	9	5	5	4	3
HART Inputs	●	●	●	●	○
HART Outputs	○	●	●	●	○
WirelessHART Interface	○	●	●	●	○
Prover Support	●	●	○	○	○
Dual Pulse Inputs	●	●	○	○	○
Field Calibration of Analog I/O	●	●	●	●	●
Integral Dual Variable Sensor	○	○	○	●	●
Remote Mount Multi-Variable Sensor	○	○	●	●	●
12-bit Analog Inputs	○	○	○	●	●
16-bit Analog Inputs	○	●	●	○	○
24-bit Analog Inputs	●	○	○	○	○
Pure Gas Calculations	●	○	●	●	●
Stream/Water Calculations	●	○	●	●	●
GOST Calculations	●	○	●	●	●
EAC Approval	●	●	●	●	●
ONML Approval	●	○	○	○	●

○ No Capability   ● Full Capability

Application Engineering

- Project management/engineering of flow computer projects using FloBoss™ and ROC products.

- Experienced team of application engineers delivering flow solutions, enabling you to meet regulatory fiscal metering standards.

- HMI supervisory computer, interfacing with FloBoss S600+ and other Emerson flow computers. Complete metering packages: metering cabinets, HMIs, and flow computers.

- As the flow computer manufacturer – Remote Automation Solutions have the knowledge and experience to integrate our FloBoss and ROC flow computers into complete metering systems packages.

- Proven experience in design and specification of flow computers and supervisory computers to meet customer requirements to global standards.

- Qualified team of application and field service engineers to support: design phase, project execution, installation, and commissioning.

- Packaged and bespoke training offered for customers on all our products and solutions.

Operator HMI

We have supplied solutions for the Oil & Gas, Pharmaceutical, Metals & Mining, Chemical, and other industries.

Headline Features

- SCADA-based, fully-configurable, scalable solutions

- Advanced control algorithms

- Reporting, archiving, and trending packages

- Redundant system support

- Supports 61131-3 protocol

- OPC compliant

- Virtual system capable

- HART passthrough with AMS integration

- OSISoft PI integration with in-house experts who can assist with installation, commissioning, configuration, and support

- UK-wide field service support

Systems Solutions Range

Emerson have the proven capability to understand your customers' requirements and deliver the optimised solution on time.

Project Management

At Emerson, we have a clearly-defined project strategy backed by a sound Project Manager Office organisational structure, partnering with our clients to achieve their goals.

We have a team with true direction and motivation bonded together with a single unity of purpose. Teamwork is the key to our success. Our team is professionally qualified and lead by technically competent project managers of a calibre equaled only by the quality of our products. The standard is maintained with ongoing professional development, utilising in-house training and PMI accreditation.

Whatever your requirements are, our project teams are there to satisfy your needs. Our aim is to become a trusted key partner working with you to provide total solutions within a single framework of excellence from initial concept through FEED, execution into operation.

Our modular PMO supports waterfall, agile methodologies, and is fully ISO 9001 accredited. Allows us to bring together the correct team and tools to deliver any size of project or program, effectively with quality.

Educational Services

Config600® Pro training courses provide a thorough understanding of all aspects of FloBoss S600+ configuration.

FloBoss S600+ operator training performed at Emerson offices or customer sites.

ROCLINK™ training for:

- ROC809 & 827

- FloBoss 107

- FloBoss 103

Additional training on Remote Automation Solutions products including, SCADA & RTU, is available via our Educational Services team based in the US.

www.emersonprocess.com/remote
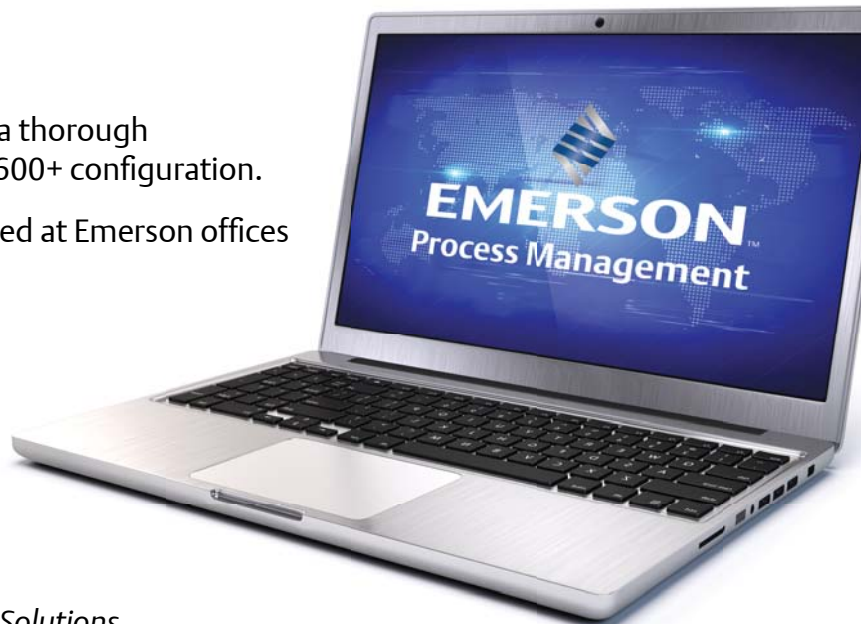
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