ABB MEASUREMENT & ANALYTICS

X-F.A.C.T.O.R.
Flow computing made easy
ABB's expertise in low power and high-accuracy control devices for the remote production and custody transfer of oil and gas, coupled with decades of proven performance and reliability yield the ultimate X-F.A.C.T.O.R. in flow computing.
X-F.A.C.T.O.R.
Customer value

Flexible
Flexible devices for any measurement and control application.

- Upstream and midstream applications
- Field mount and panel mount options
- Highly configurable application software
- Any power source (AC / DC / UPS & solar)
- Multiple open protocols available

Accurate
Accurate measurement for correct billing and minimal product loss.

- High-accuracy analog inputs
- High-accuracy clock and time measurement
- Factory-controlled application software
- Latest API, AGA, ASTM, GERG and ISO calculations
X-F.A.C.T.O.R
Customer value

Cybersecure
Cybersecure infrastructure to keep your data and assets safe.

- Software and data protection
- Secure communication
- Full traceability by secure audit logs
- Role-based access control
- Password administration

Trusted
Trusted solutions, rigorously tested over many years and conditions.

- Long, proven history
- Large, global installed base
- International, 3rd-party certifications
- Hazardous Area Classifications
- Rigorously tested for EMC immunity
X-F.A.C.T.O.R.
Customer value

Optimal
Optimal, cost-effective operation with a fit-for-purpose solution.

- Low-power for remote operations
- Remote configuration capability
- Highly scalable system architecture
- Engineered-to-Order solutions
- Locally or cloud hosted software applications

Reliable
Reliable control and measurement supported by a reliable supplier.

- ABB global service organization
- ABB education and training
- Tried-and-true software
- Spare parts availability
- ABB life-cycle policy to protect your investment
Flow computers

μFLO<sup>G5</sup>

Time tested and field proven, μFLO is known throughout the industry as an extremely accurate and reliable gas flow computer. μFLO<sup>G5</sup> features the Linux operating system, has persistent memory, and supports linear liquid measurement.

Backward compatibility is a high priority, and the integrated sensor and electronics are direct replacements for all previous μFLO generations. Single run gas measurement applications are the primary market for μFLO<sup>G5</sup>, yet the powerful processor and expansion capabilities allow for multiple run gas and liquid measurement.

Flow-X

Flow-X series of flow computers is a powerful and versatile automation platform, especially designed for the custody transfer of liquid and gas. It provides different enclosure options for panel-mount and field-mount installation and possesses measurement certifications from multiple, 3rd-party agencies.

Class 1 Division 2 and ATEX / IECEx Zone 2 certification extends the operating temperature range to withstand harsh field conditions, delivering high accuracy and increased reliability.
X-F.A.C.T.O.R
Flow computers

**XFC**

**G5**

XFCG5 provides an upgraded path to new digital technologies and protocols such as MQTT and secured wireless connection (WiFi-Access Point or Bluetooth).

This generation of flow computers and RTUs also offers a low-power, highly-reliable microprocessor-based unit with a Linux operating system, persistent memory, and new connectivity, combined with integral sensor and the same wide range of measurement, monitoring, and alarm applications for remote oil and gas systems.

**XFC 6200EX**

XFCG4 6200EX series offers an explosion proof product for differential or linear metering and automation systems. XFCG4 6200EX is an accurate, reliable flow computer with the capability to measure and monitor flow (gas and liquid) in compliance with AGA, API and ISO standards.

These units are expandable, they provide exceptional control, and they meet automation requirements.
X-F.A.C.T.O.R.
Remote controllers

XRCG5

XRCG5 provides an upgraded path to new digital technologies and protocols such as MQTT and secured wireless connection (WiFi Access Point or Bluetooth). This generation of flow computers and RTUs also offers a low-power, highly-reliable microprocessor-based unit with a Linux operating system, persistent memory, and new connectivity, combined with the same wide-range of measurement, monitoring, and alarm applications for remote oil and gas systems.

RMC-100

A single RMC-100 controller is capable of managing automation, liquids and gas measurement, and asset data concentration for very large production and transmission facilities. Even so, the controller may still scale to a single-board RTU footprint for smaller systems. There is no other platform in the industry with such a wide, dynamic range. This frees the end user, OEM partner or integrator from the uncertainty of choosing a closed-ended model that could easily be irrelevant in a short period of time.
**X-F.A.C.T.O.R.**
Remote controllers

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**XIO**

XIO sets a new standard for control, automation and measurement solutions, dedicated to upstream Oil & Gas applications. XIO provides remote expansion for both brownfield and greenfield flow computers and RTUs. It also allows operators to improve their performance by reducing their operational spend, decreasing expansion downtime, and increasing communication expansion across the field.

With the unique ability to easily integrate with ABB controllers without limiting the customer, XIO can also be used with third party devices.

XIO is a solution that can also easily integrate with existing devices via Modbus. By allowing the addition of I/O options to the base at any time, XIO provides optimal flexibility.

XIO provides the flexibility to expand not just I/O, but also field connectivity and interoperability in the same device.
Xcore offers a custom option that is assembled to meet field requirements and a broad range of installation needs. The Xcore solution incorporates any ABB controller device and utilizes the complete range of ABB instrumentation and metering options. Xcore provides a centralized solution for all your optimization, reporting and measurement needs.
These Engineered-To-Order systems are custom built to meet all of your site’s individual requirements. Often, standard packages do not offer an adequate solution for your needs. At ABB, we develop systems that are designed by our customers, fully integrated, customizable, HMI capable, scalable, turn-key, with custom fused I/O, and can be supplied on your timeline. It’s not just a box, it’s a solution.
Contact

ABB
Measurement & Analytics

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