



ABB MEASUREMENT & ANALYTICS

Spirit^{IT} Flow-X

The easy solution for flow computing



Flow-X

The Spirit^{IT} Flow-X flow computer is used for flow measurement of gases and liquids with the highest accuracy. It connects to flow meters, temperature, pressure and density transmitters and chromatographs to calculate the volume under standard conditions, mass and energy.






	Mount Type	Number of Modules	C1D2 Certification
Enclosure			
	Wall/ DIN rail	1	✓
Flow-X/S			
	Panel / Rack	1	
Flow-X/C			
	Panel / Rack	1-4	
Flow-X/P			
	Rack / Wall	1-8	
Flow-X/R			
	Wall / DIN Rail / Rack*	1	✓
Flow-X/K			

Table 1 Enclosure Comparison

Reliability



Hardware and software certified for legal metrology (custody transfer)



Rigorously tested for electromagnetic compatibility (EMC) and immunity



Secure HTTPs communication with PKI certificates



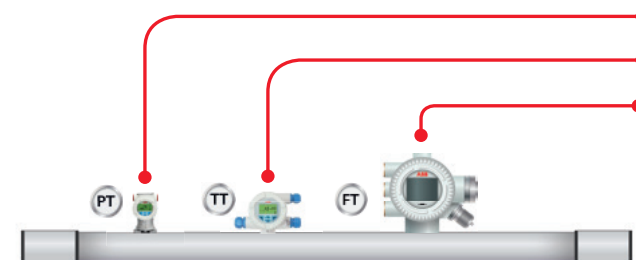
Outstanding MTBF > 100 years



Role Based Access Control (RBAC)



API MPMS 21 compliant audit trail



Performance



Highest analog input accuracy (0.008%) in flow computing



Certified for hazardous areas, no need for purging, EX enclosures and junction boxes



Any number of custom displays, reports, archives



Supports 2 provers, master meters and in-series meter verification



Highly configurable measurement and control applications



Integrated as-found/as-left, verification, zeroing and calibration

Versatility



Class I Division 2 & ATEX/IECEX Zone 2 certification



Wide temperature range of -40°C and 75°C, -40°F and 167°F



Secure web client access



A single module for all applications (simple spare management)



Connects to any Modbus and HART device



Multilingual support

Contact

ABB B.V.

Measurement & Analytics

Achtseweg Zuid 151A / Strijp-TQ Entrance 5
5651GW Eindhoven
The Netherlands
Phone: +31 40 236 9445
Mail: nl-spiritit-sales@abb.com

ABB Malaysia Sdn Bhd.

Measurement & Analytics

Lot 608, Jalan SS 13/1K
47500 Subang Jaya
Selangor Darul Ehsan,
Malaysia
Phone: +60 3 5628 4888

ABB Limited

Measurement & Analytics

Oldends Lane, Stonehouse
Gloucestershire GL10 3TA
United Kingdom
Phone: +44 7730 019 180
Mail: instrumentation@gb.abb.com

ABB Inc.

Measurement & Analytics

7051 Industrial Boulevard
Bartlesville, OK 74006
United States of America
Phone: +1 800 442 3097

abb.com/midstream

