

FIELDVUE™ DVC6200 Series Digital Valve Controllers

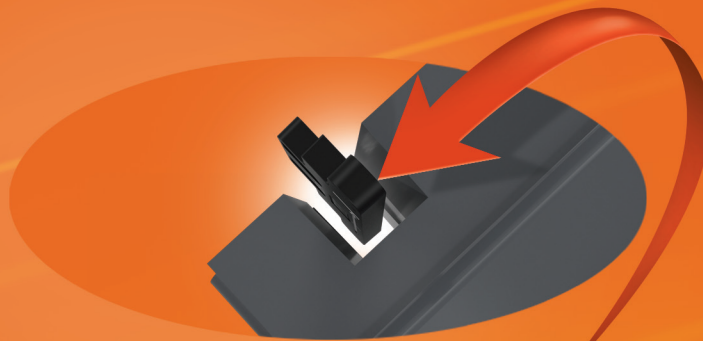
Higher Process Reliability and Performance



FIELDVUE™ Digital Valve Controllers DVC6200, DVC6200f, DVC6200p

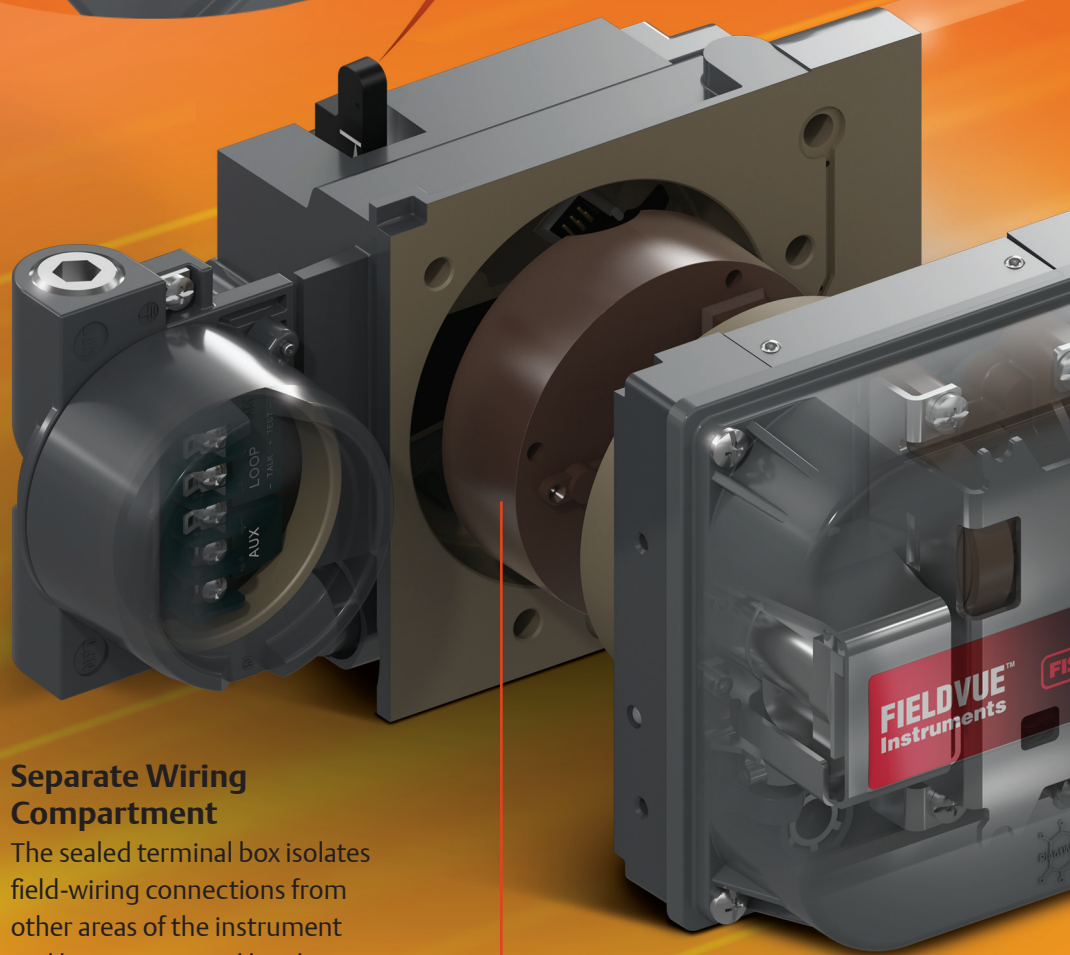
No Sliding Parts to Wear

Linkage-less, non-contact feedback technology has no sliding parts to wear. A magnet array and Hall Effect sensor are used to detect valve position. With no linkage to wear, loosen, corrode, or vibrate, it can handle harsh environments and nonstop cycling.



Wireless Realized

The Smart Wireless THUM™ adapter allows you to easily and cost-effectively access control valve assembly diagnostics wirelessly.



Separate Wiring Compartment

The sealed terminal box isolates field-wiring connections from other areas of the instrument and keeps water and harsh atmosphere away from electronic components.

Encapsulated Electronics

Electronic circuitry on the printed wiring board is fully encapsulated and isolated from the terminal box, conduit, and plant environment.



FIELDVUE Performance on Fisher and Non-Fisher Control Valves

The FIELDVUE DVC6200 Series digital valve controller mounts to any pneumatic actuator. Non-Fisher valves can be equipped with FIELDVUE instruments to improve performance and reliability.

Modular Design Makes Maintenance Quick and Easy

The master module design allows fast replacement of the I/P converter, relay, gauges, and printed wiring board without disturbing the mounting, field wiring, or calibration.

Internally Mounted Gauges

Supply and output gauges are under the cover, fully protected from the environment and against rough handling, helping assure maintenance-free performance.

A process control plant, regardless of industry, makes money based on its ability to minimize variability and maximize availability. Performance and reliability are the foundation for the FIELDVUE™ family of digital valve controllers. Their role is to maintain control valve position, diagnose the assembly, and enable predictive maintenance.

Reliability. With well over *one million* instruments installed, FIELDVUE digital valve controllers have earned high praises from companies that employ their technology to improve plant availability. Built for extreme conditions, they have proven themselves by surviving difficult process environments in the following industries: refining, chemical, nuclear, oil and gas, power, and pulp and paper. They are premier performers in cycle life.

Performance. Plant operators rely on FIELDVUE digital valve controllers to reduce process variability. The instruments are paired with Fisher control valves to achieve precise positioning accuracy and fast response to process changes. They work together to provide unmatched dynamic performance.

Diagnostics. FIELDVUE digital valve controllers protect your process by giving a view of the valve's actual position and operating characteristics. Performance Diagnostics run continuously, analyzing valve and actuator data while the valve remains in service. If and when problems are detected, information can be directed to the appropriate personnel automatically when installed in a PlantWeb™ system.

In the past, locally verifying proper control valve performance required technicians to use laptops in the field. Now, local diagnostic tests can be run with ease and mobility using ValveLink™ Mobile software on a handheld field communicator, PDA, or smartphone.



Application Breadth. FIELDVUE digital valve controllers are used on many control valve styles. FIELDVUE instruments drive both sliding-stem linear valves, such as the Fisher GX, and quarter-turn rotary style valves, such as the Fisher Control-Disk™. FIELDVUE instruments use interchangeable components, so spare parts requirements are reduced.

Maintenance. Many design elements make FIELDVUE digital valve controllers truly unique. These elements provide significant maintenance advantages that make FIELDVUE instruments your best choice in the quest for improved plant performance.

Integration. FIELDVUE digital valve controllers are available with either the HART®, WirelessHART®, FOUNDATION™ fieldbus, or PROFIBUS® communication protocol. AMS ValveLink SNAP-ON™ software provides full instrument diagnostics capabilities within DeltaV™ and Ovation™ process control systems. ValveLink DTM software can be used with any process control system that supports FDT/DTM technologies.

Contact your local Emerson Process Management sales office for more information or to make a purchase. Their highly skilled and experienced applications personnel are ready to help you take advantage of the many benefits of FIELDVUE digital valve controllers.

Specification	DVC6200 HART®	DVC6200f and DVC6200p FOUNDATION™ fieldbus and PROFIBUS®
Input	Analog input signal: 4–20 mA DC, nominal; split ranging available. Minimum voltage available at instrument terminals must be 10.5 VDC for analog control, 11 VDC for HART communication.	Voltage Level: 9 to 32 volts. Maximum Current: 19 mA. Reverse Polarity Protection: Unit is not polarity sensitive. Termination: Bus must be properly terminated per ISA SP50 guidelines.
Electrical Classification	Hazardous Area Approvals: <ul style="list-style-type: none"> ■ CSA— Intrinsically Safe, Explosion-proof, Division 2, Dust Ignition-proof ■ FM— Intrinsically Safe, Explosion-proof, Non-Incendive, Dust Ignition-proof ■ ATEX— Intrinsically Safe and Dust, Flameproof and Dust, Type n and Dust ■ IECEx— Intrinsically Safe, Flameproof, Type n Electrical Housing: <ul style="list-style-type: none"> ■ CSA— Type 4X, IP66 ■ FM— NEMA 4X ■ ATEX— IP66 ■ IECEx— IP66 	Hazardous Area Approvals: <ul style="list-style-type: none"> ■ CSA— Intrinsically Safe and FISCO, Explosion-proof, Division 2, Dust Ignition-proof ■ FM— Intrinsically Safe and FISCO, Explosion-proof, Non-Incendive, Dust Ignition-proof ■ ATEX— Intrinsically Safe, FISCO, and Dust, Flameproof and Dust, Type n and Dust ■ IECEx— Intrinsically Safe and FISCO, Flameproof, Type n Electrical Housing: <ul style="list-style-type: none"> ■ CSA— Type 4X, IP66 ■ FM— NEMA 4X ■ ATEX— IP66 ■ IECEx— IP66
Output Signal	Pneumatic signal, up to 95% of supply pressure, maximum span 9.5 bar (140 psig)	
Available Mounting	<ul style="list-style-type: none"> ■ Integral mounting to the Fisher GX control valve and actuator system. ■ Integral mounting to Fisher rotary actuators. ■ Remote mount. ■ Sliding-stem linear applications. ■ Quarter-turn rotary applications. ■ DVC6200 Series digital valve controllers can also be mounted on other actuators that comply with IEC 60534-6-1, IEC 60534-6-2, VDI/VDE 3845 and NAMUR mounting standards. 	



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