



PROCESS INSTRUMENTATION

One that masters the essential: **SIPART PS100**

Easy and reliable valve control, ideal for OEM/VIP

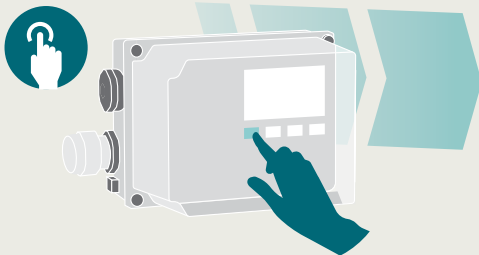
usa.siemens.com/ps100

SIEMENS

Easy, fast, and reliable control for standard applications

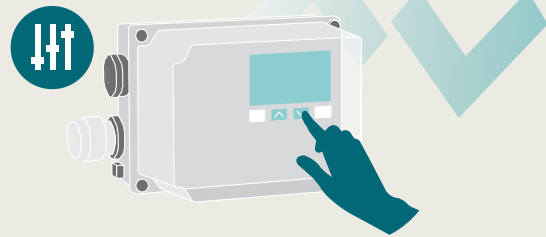
Positioners are essential to the smooth and reliable operation of your process. They play a vital role in ensuring the best possible performance throughout your plant. A great example is our new electropneumatic positioner, the SIPART PS100. Its ease and speed of initialization make it a winner for valve manufacturers, the chemical industry, the energy sector, and many other fields. Special benefits of the SIPART PS100 include robust construction and ease of operation.

Easy to operate



Quick to initialize

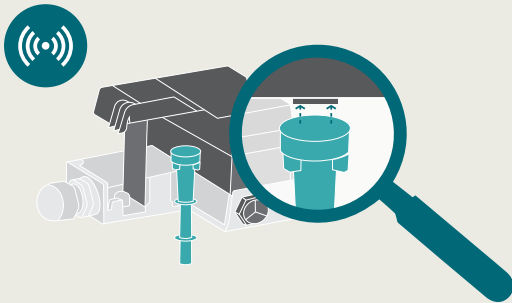
- » One-push initialization: initialize at the push of a button
- » Device automatically adjusts to the connected valve



Easy selection of the control mode

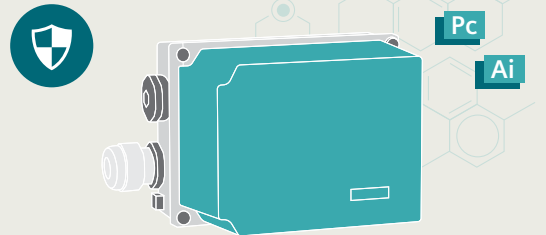
- » Application parameters to select a range of modes, for example: precise control, on/off operation, booster applications
- » Maximum performance for every application

Simply robust



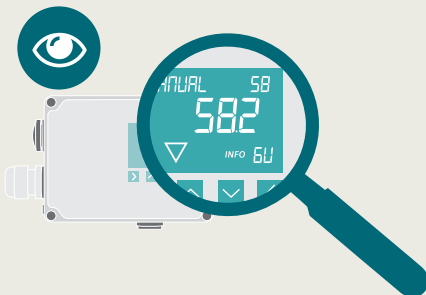
Non-contacting sensor

- » Vibration-resistant
- » Non-wearing
- » Accurate and continuous detection of valve position



Ready for tough process conditions

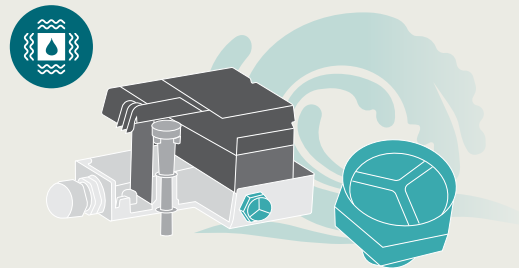
- » Completely enclosed design
- » Two enclosure versions
 - Aluminum – resistant to mechanical influences
 - Polycarbonate – with a clear view of the screen



Valve status at a glance

- » Screen symbols in accordance with NAMUR NE107
- » Local operation with large screen and four buttons

Animated video on user-friendliness



Non-corrosive sound absorber

- » Suitable for aggressive process conditions

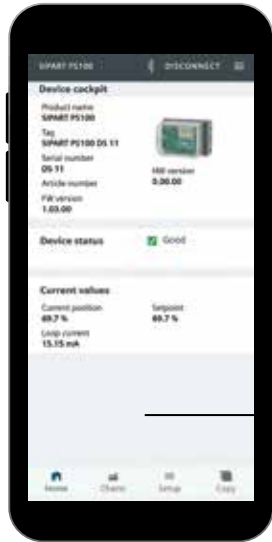
Animated video on robust design



Wireless access

to SIPART PS100 valve positioner

Via easy to retrofit Bluetooth® adapter and SITRANS mobile IQ app



SITRANS mobile IQ app
Smart app that establishes a connection to Bluetooth® enabled SIPART PS100

SITRANS AW050
Easy to retrofit Bluetooth® adapter for SIPART PS100



Technical data

Enclosure	Aluminum, aluminum/polycarbonate
Digital input/digital output	1 DI/1 DO
Limit values	1 (electronic)
Communication	4 ... 20 mA, HART, Bluetooth
Stroke range	10 ... 130 mm (longer strokes on request) (0.12 ... 5.12")
Range of rotation	10 ... 100°
Required air quality	Class 3 as per ISO 8573-1
Ambient air temperature	-20 ... +80 °C (-4 ... +176 °F)
Pneumatic auxiliary power	1.4 to 7 bar (20.3 ... 101.5 psi)
Air throughput	- Inlet to actuator (at $\Delta p = 6$ bar) 9.8 m ³ /h (5.76 SCFM) - Outlet from actuator (at $\Delta p = 6$ bar) 19.2 m ³ /h (11.30 SCFM)
Degree of protection	Type 4X, IP66
Explosion protection	<ul style="list-style-type: none"> • ATEX, IECEx: Ex i, Ex e, Ex t • FM/CSA: IS, NII/2, DIP • Many more certificates at http://www.siemens.com/processinstrumentation/certificates

Legal Manufacturer

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Order No.: PIBR-B10458-0223

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