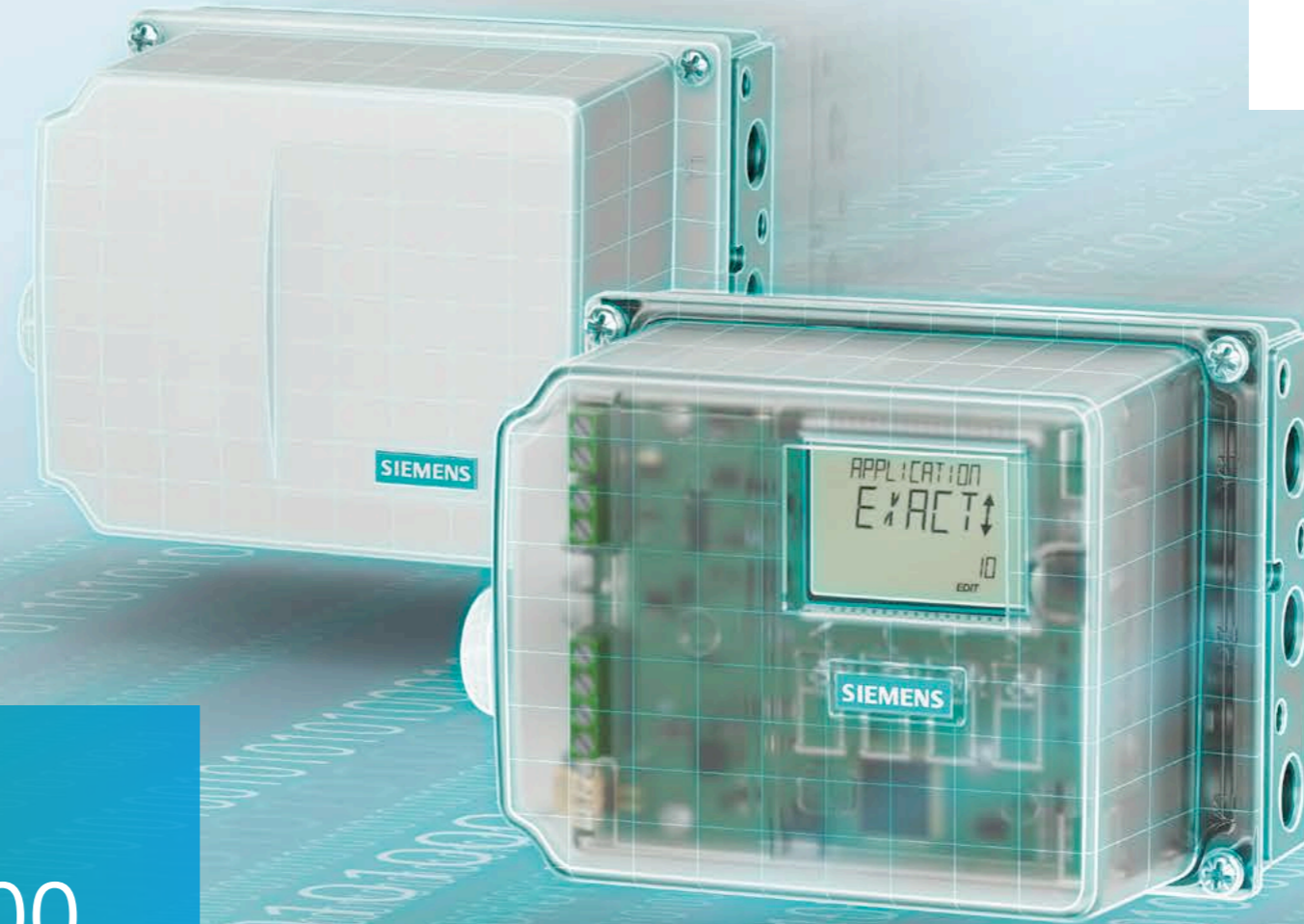


**SIEMENS**  
*Ingenuity for life*



# One that masters the essential: SIPART PS100

Easy and reliable valve control

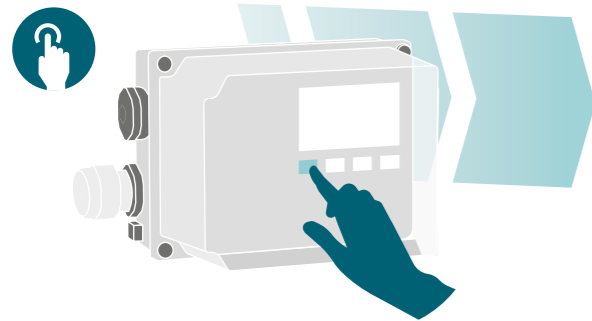
[siemens.com/sipartps100](https://www.siemens.com/sipartps100)

# 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.

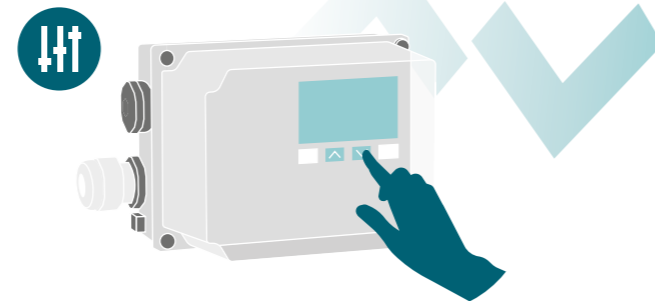


## Easy to operate



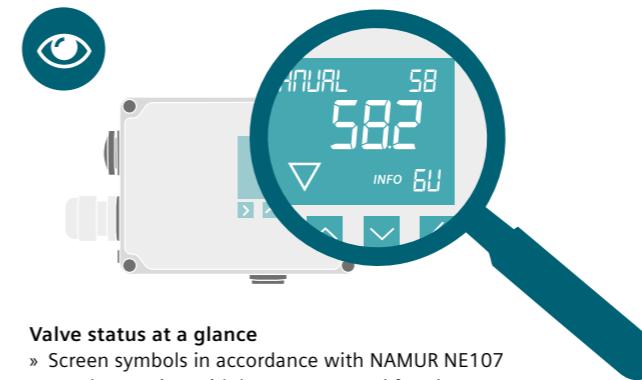
### Quick to initialize

- » 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



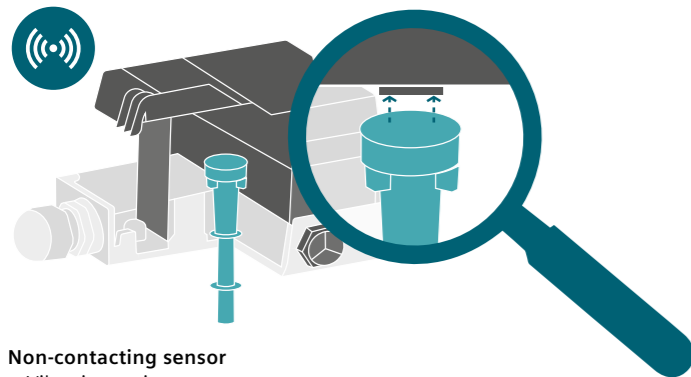
### Valve status at a glance

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

Animated video on user-friendliness

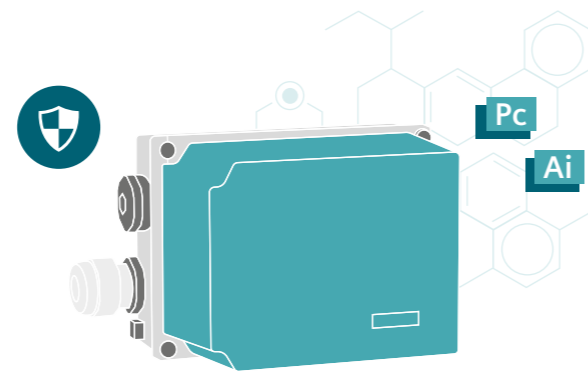


## Simply robust



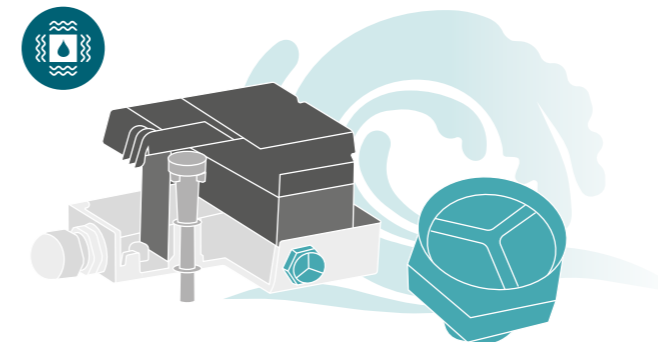
### Non-contacting sensor

- » 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



### 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



## Easy access to SIPART PS100 in difficult accessible locations

- Time savings and less safety issues to access SIPART PS100 from a distance via mobile phone or tablet



## Easy and fast commissioning

- Commissioning via SITRANS mobile IQ app is much easier and comfortable than commissioning via display and buttons of the field device
- Especially time-saving for the case of several devices by copying parameters from one device to another

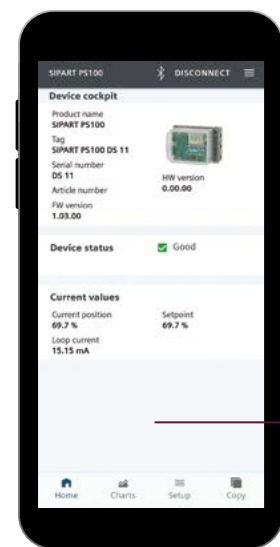


## Readout of important information that is not displayed on local device display

- SITRANS mobile IQ app shows trend charts of process values and displays diagnostic data
- Complete error messages and description for corrective actions
- Access to manual, certificates, FAQ's and more

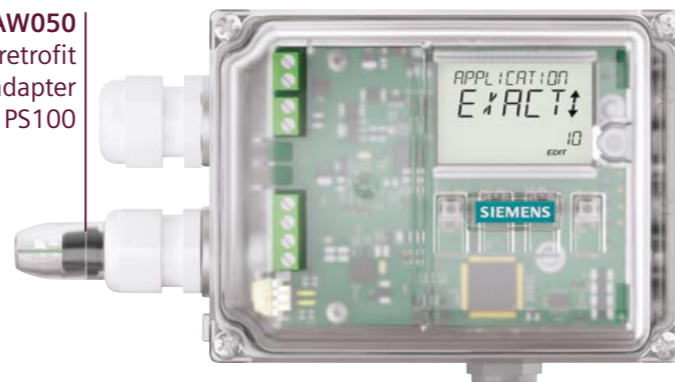


Technical data	
Enclosure	Aluminum, aluminum/polycarbonate
Digital input/digital output	1 DI/1 DO
Limit values	1 (electronic)
Communication	4 ... 20 mA, HART, Bluetooth
Stroke range	10 ... 130 mm (longer strokes on request) (0.12 ... 5.12")
Range of rotation	10 ... 100°
Required air quality	Class 3 as 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 Δp = 6 bar) 9.8 m³/h (5.76 SCFM) - Outlet from actuator (at Δp = 6 bar) 19.2 m³/h (11.30 SCFM)
Degree of protection	Type 4X, IP66
Explosion protection	<ul style="list-style-type: none"> <li>• ATEX, IECEx: Ex i, Ex e, Ex t</li> <li>• FM/CSA: IS, NII/2, DIP</li> <li>• Many more certificates at <a href="http://www.siemens.com/processinstrumentation/certificates">http://www.siemens.com/processinstrumentation/certificates</a></li> </ul>



**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



<https://siemens.com/sipartps100>  
<https://siemens.com/mobileiq>

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