azbil

Smart ESD Device 700 Series

for Safety Instrumented Systems (SIS)

Diagnoses emergency shutdown valve abnormalities and improves maintenance efficiency.





1	Certified for SIL (Safety Integrity Level) 3 Capable
2	Standard feature of PST (Partial Stroke Test) function
3	Compatible with various instrumentations

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Features

SIL certification based on the IEC 61508 safety standard.

This product is compliant with IEC 61508 and certified for SIL 3 Capable.

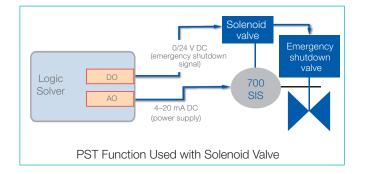
Standard feature of PST function

This product is equipped with a PST function for online diagnosis of emergency shutdown valves. <PST Execution>

- Automatic execution based on the device's internal scheduler
- Execution by LUI (Local User Interface)
- Execution by host device through HART communication

Compatible with various instrumentations

This device can be used in various instrumentations including use in combination with a solenoid valve and use in place of a solenoid valve to execute the emergency shutdown function. (This device can operate in loops compliant with SIL3.)



Please read "Terms and Conditions" from the following URL before ordering and use https://www.azbil.com/products/factory/order.html

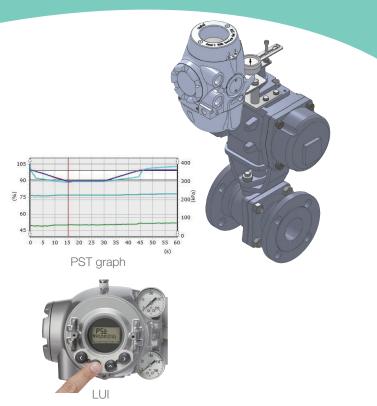
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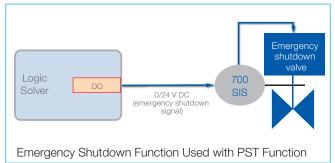
1-12-2 Kawana, Fujisawa Kanagawa 251-8522 Japan URL: https://www.azbil.com

1st Edition : Jan. 2016-AZ 4th Edition : Nov. 2020-AZ



Basic specifications

Model	AVP 77_ (4 to 20 mA DC) AVP 78_ (0 to 20 mA DC) AVP 79_ (0/24 V DC)
Actuators	Pneumatic single/double-acting actuator
Supply air pressure	140 to 700 kPa
Output signal	Contact output, analog output (valve travel)
Explosion-proof	TIIS, FM, IECEx, CCC, KCs, EAC, INMETRO explosion-proof FM intrinsically safe (iC) or non-incendive ATEX Intrinsically safe (ia)/Dust Ignition Protection IECEx Intrinsically safe (ia)/Dust Ignition Protection



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