

Features

- Supports both analog signals and digital communication.
- Proportional input-output ensures high accuracy and fast response.
- Compact design for easy installation on machines or pipelines.
- Patented spool and seal for long-term stable operation.
- Low power consumption with high efficiency during extended use.



Ordering code

SPV – **P30** – **0** – **V** – **P**

Pressure Range

V1	-1 BARG
P2	2 BARG
P5	5 BARG
P10	10 BARG
P30	30 BARG

Output Signal

V	0~10V
I	4~20mA
D	RS485 Modbus RTU

Input Signal

0	0~10V
1	4~20mA
2	RS485 Modbus RTU

Display Unit

KP	KPAG
T	Torr
P	PSIG
B	BARG
KG	KGFG
M	MPAG

⚠ Warning

This product is intended for use only in industrial compressed gas systems.
Do not operate this product beyond the specified pressure and temperature limits.



Specification

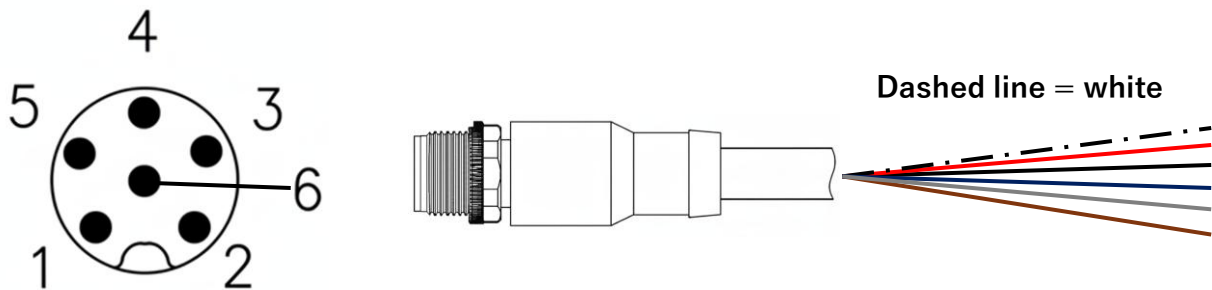
Model		SPV				
		V1	P2	P5	P10	P30
Max Inlet		-1BARG	4BARG	7BARG	12BARG	32BARG
		Maximum inlet pressure can be customized upon request				
Min Supply Pressure		Set pressure +1 bar				
Pressure Setting Range		0-(-1)BARG	0-2BARG	0-5BARG	0-10BARG	0-30BARG
		Maximum inlet pressure customizable upon request				
Max Flow Rate @ 30 BARG		4800SLPM				
Port Size		G 3/8"				
		Port size customizable upon request				
Power	Voltage	DC24V ± 10%				
	Current Consumption	≤ 24W				
Input Signal	Voltage Type	0-10V				
	Current Type	4-20mA				
	Digital Type	RS485 (Communication Protocol: Modbus)				
Input Impedance	Voltage Type	7.4kΩ				
	Current Type	250Ω				
Output Signal	Voltage Type	0-10V				
	Current Type	4-20mA				
Electrical Connection		6-pin M8Aviation connector				
Linearity		± 0.1% @ Full Scale (F.S.)				
Repeatability		± 0.1% @ Full Scale (F.S.)				
Resolution		± 0.1% @ Full Scale (F.S.)				
Response Time		200ms@Full Scale				
Display Accuracy		± 0.25% @ Full Scale (F.S.)				
Display Unit		MPa: 0.001、kgf/cm²: 0.01、bar: 0.01、psi: 0.1 、kPa: 1				
Flow Path Material		NBR、FKM、Barss、Aluminum、Stainless Steel				
Ambient Temperature		0-60°C				
Fluid Temperature		0-60°C				
Waterproof Rating		IP40				
Input filter		Below 40 microns				
Weight	Aluminum	1.2KG				

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Pin Assignment

⚠ Proceed to the corresponding section based on the type of valve being installed.
NOTE: All color codes refer to the factory-prewired SPV-XXX power cord.



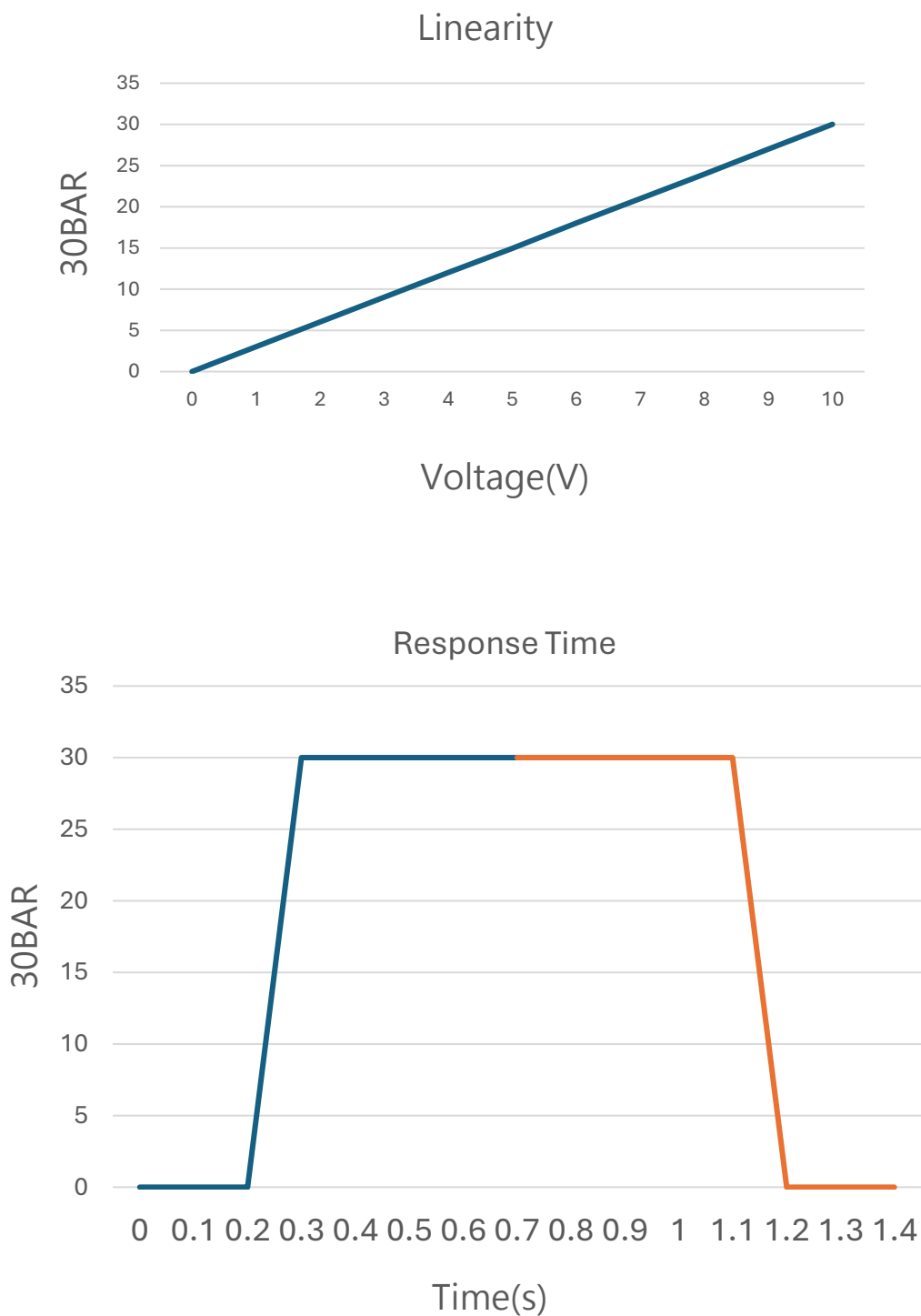
PIN	Cable Color	Function
1	Brown	24V Power(+) Error output(-)
2	Blue	24V Power(-) Output Signal(-)
3	White	Input Signal(+) Modbus RTU RS485(+)
4	Grey	Input Signal(-) Modbus RTU RS485(-)
5	Black	Output Signal(+)
6	Pink	Error output(-)

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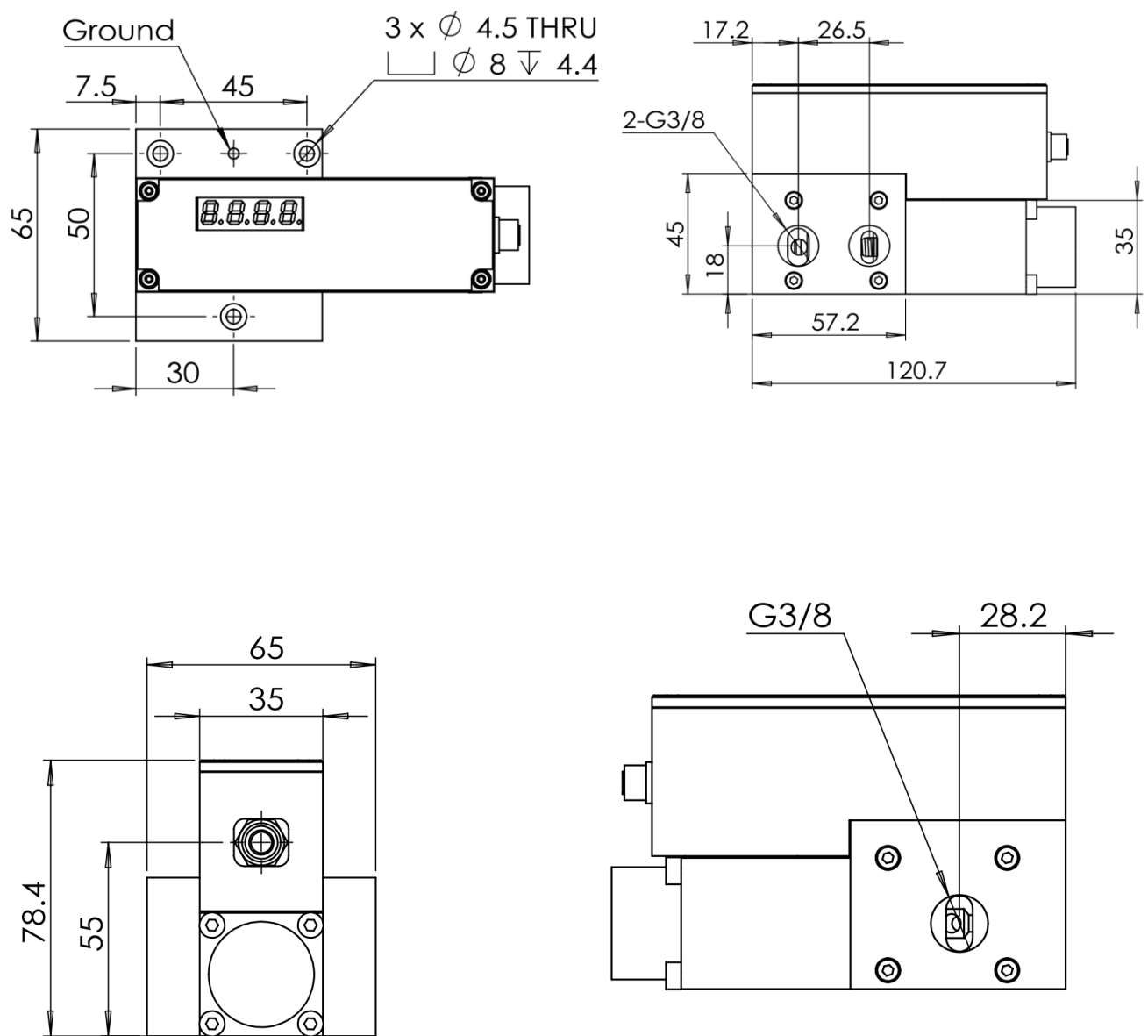
Characteristic Curve



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Overall Dimensions



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