

Product Selection Guide

Valve Accessories Professional Manufacturer

Electro-Pneumatic
Positioner



Product Contents

Series Electro-Pneumatic Positioner

SWEP - 10L Series Electro-pneumatic Positioner

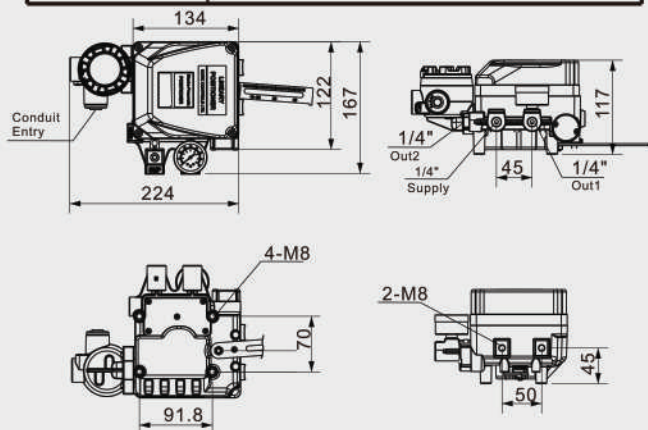
SWEP - 10R Series Electro-pneumatic Positioner

SWEP-10L Electro-pneumatic positioner delivers fast and accurate positioner used and general purpose. Long life service assured by robust and simple design, delivering maximum reliability in all environments while maintaining precise, accurate positioning of the control element.

- Use mechanical nozzle baffle structure
- High vibration resistance - no resonance between 5 to 200 Hz.
- Direct and reverse acting, single and double acting are interchangeable.
- Robust, simple and low maintenance design.
- 1/2 Split-range control can be achieved by changing the stroke spring.



Model No.	SWEP - 10L
Input signal	4~20mA DC
Supply pressure	0.14~0.7MPa
Pressure output	0~0.7MPa
Stroke	10~150mm
Impedance	250Ω±15Ω
Air connection	NPT1/4, G1/4
Gauge connection	NPT1/8
Power connection	G1/2, NPT1/2, M20*1.5
Repeatability	±0.5%F.S.
Ambient temp.	Normal temp. -20~60°C
	High temp. -20~120 (Only for Non-explosive)
	Low temp. -40~60°C
Linearity	±1.0%F.S.(Single); ±2.0%F.S.(Double)
Hysteresis	±1.0%F.S.
Sensitivity	±0.5%F.S.
Flow rate	80L/min(@1.4bar)
Air consumption	2.5L/min(@1.4bar)
Output characteristics	Linear (default)
Shell material	Aluminum
Ingress protection	IP66
Explosion-proof	Ex db IIC T6 Gb; Ex tb IIIC T85°C Db Ex ia IIC T6 Ga; Ex ia IIIC T135°C Db
Weight	2.7kg



	1.	2.	3.	4.	5.	6.	7.
SWEP - 10L	S	N	1	3	2	S	1

Acting type

Single — S
Double — D

Explosion-proof

Non-explosion — N
ExiaIICT6 — I
ExdmbIICT6 — M

Feedback lever type

10~40mm — 1
30~70mm — 2
50~100mm — 3
100~150mm — 4

Power connection

G1/2 — 1
NPT1/2 — 2
M20*1.5 — 3

Air connection

NPT1/4 — 1
G1/4 — 2

Ambient temperature^[1]

-20~60°C — S
-20~120°C — H
-40~60°C — L

Feedback Options

None — 0
+PTM — 1
+PTM External explosion-proof split-body type — 2

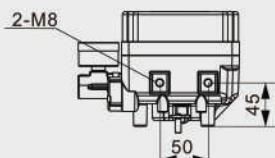
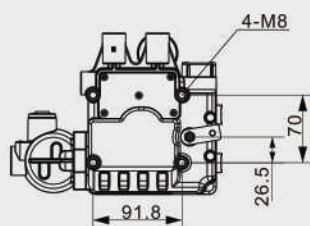
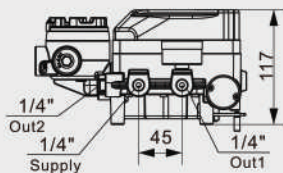
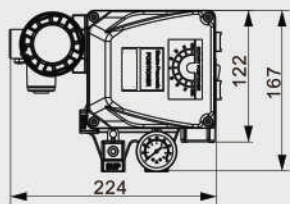
[1]: H Only available for Non-explosion and no feedback.

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Model No.	SWEP - 10R
Input signal	4~20mA DC
Supply pressure	0.14~0.7MPa
Pressure output	0~0.7MPa
Stroke	0~90°
Impedance	250Ω±15Ω
Air connection	NPT1/4, G1/4
Gauge connection	NPT1/8
Power connection	G1/2, NPT1/2, M20*1.5
Repeatability	±0.5%F.S.
Ambient temp.	Normal temp. -20~60°C
	High temp. -20~120°C(Only for Non-explosive)
	Low temp. -40~60°C
Linearity	±1.0%F.S.(Single); ±2.0%F.S.(Double)
Hysteresis	±1.0%F.S.
Sensitivity	±0.5%F.S.
Flow rate	80L/min(@1.4bar)
Air consumption	2.5L/min(@1.4bar)
Output characteristics	Linear (default)
Shell material	Aluminum
Ingress protection	IP66
Explosion-proof	Ex db IIC T6 Gb; Ex tb IIIC T85°C Db Ex ia IIC T6 Ga; Ex ia IIIC T135°C Db
Weight	2.8kg



	1.	2.	3.	4.	5.	6.	7.	8.
SWEP - 10R	S	N	1	3	2	S	0	1

Acting type

Single — S

Double — D

Explosion-proof

Non-explosion — N

Exia IIC T6 — I

Exdmb IIC T6 — M

Feedback lever type

M6*34L — 1

M8*34L — 2

M6*63L — 3

M8*63L — 4

NAMUR — 5

Power connection

G1/2 — 1

NPT1/2 — 2

M20*1.5 — 3

Air connection

NPT1/4 — 1

G1/4 — 2

Ambient temperature^[1]

-20~60°C — S

-20~120°C — H

-40~60°C — L

Indicator^[2]

Standard — 0

Dome Cover — 1

Feedback Options

None — 0

+PTM (inside Non-explosion) — 1

+PTM (outside explosion-proof) — 2

+L/S (inside Non-explosion) — 3

+L/S (outside explosion-proof) — 4

+PTM+L/S (inside Non-explosion) — 5

+PTM+L/S (outside explosion-proof) — 6

[1]: H only available for Non-explosion and no feedback.

[2]: Dome Cover only available for outside of L/S.

[3]: Non-explosion-proof type optional only

PTM: positioner transmitting module; L/S: limit switch.



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