

**PREMIER QUALITY
GLOBAL REPUTATION**

XINGYU ELECTRON(NINGBO)CO.LTD
www.xyelectron.com



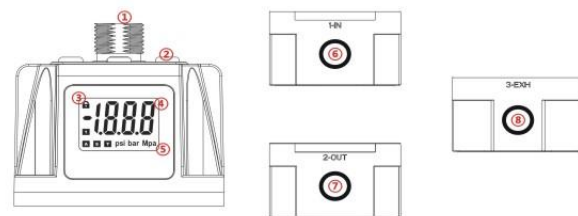
**EPV SERIES
Proportional
Pressure Regulator**

- 0.5% control accuracy
- 300L~ 5000L large flow output
- Real-time display of actual output pressure
- 0~1 bar/5bar/9bar multi-range selection
- IP65 level, suitable for various working conditions



EPV

PANEL

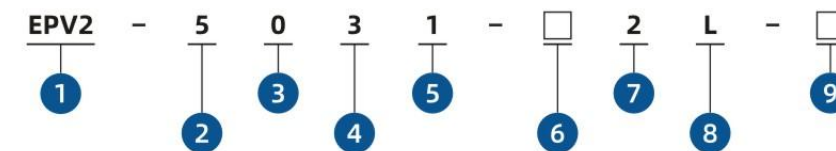


| No | Name | No | Name |
|----|----------------------|----|-----------------|
| ① | M12 aviation plug | ⑤ | Unit display |
| ② | Water-proof key | ⑥ | Air supply port |
| ③ | Locking key | ⑦ | Air out port |
| ④ | Main display section | ⑧ | Air EXH port |

SPECIFICATION

| Model | EPV1-1 | EPV1-5 | EPV1-5 |
|----------------------------|-----------------------|--|--------------|
| Min. supply Pressure | set pressure + 0.1MPa | | |
| Max. supply Pressure | 0.2MPa | | 1.0MPa |
| Set Pressure Range | 0.005~0.1MPa | 0.005~0.5MPa | 0.005~0.9MPa |
| Power Supply | Voltage | DC : 24V±10% | |
| | Current | DC : 24V 0.12A or less | |
| Input Signal | Current Type | DC4~20mA, DC0~20mA | |
| | Voltage Type | DC0~5V, DC0~10V | |
| | Digital Signal | RS485-MODBUS | |
| Input Impedance | Current Type | 250Ω or less | |
| | Voltage Type | Approx 6.5KΩ | |
| Output Signal | Analog Output | DC1-5V (load impedance : over 1KΩ) DC4-20mA (Load impedance : below 250Ω) Output precision within range of 1% F.S. | |
| | Switch Output | NPN-OC output type:30mA PNP-OC output type:30mA | |
| Nonlinear | 0.5%F.S | | |
| Hysteresis | 0.5%F.S | | |
| Repeatability | 0.5%F.S | | |
| Temperature Characteristic | 2%F.S | | |
| Display | Precision | 2%F.S | |
| | Division | 1000 division | |
| Ambient Temperature | 0~50°C | | |
| Protection Class | IP65 | | |

ORDERING CODE

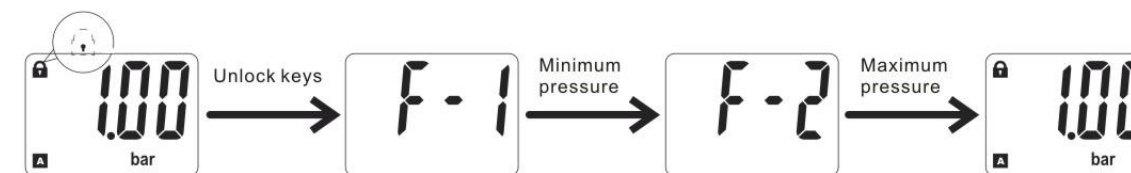


- 1. Model**
EPV1
EPV2
EPV3
- 2. Range**
1: 0.1MPa
3: 0.5MPa
5: 0.9MPa
- 3. Voltage**
0: DC 24V
- 4. Input**
0: Current DC 4-20mA
1: Current DC 0-20mA
2: Voltage DC 0-5V
3: Voltage DC 0-10V
- 5. Output**
1: Analog DC 1-5V
2: Switch NPN output
3: Switch PNP output
4: Analog: DC4-20mA
- 6. Connection thread**
BLANK : RC
N : NPT
T : NPTF
F : G
- 7. Size**
1: 1/8(1 type)
2: 1/4(1,2,3 type)
3: 3/8(2,3 type)
4: 1/2 (3 type)
- 8. Cable connector**
S: Straight 3m
L: Right angle 3m
N: no cable
- 9. Bracket**
Blank: no bracket
B: flat bracket
C: L type bracket

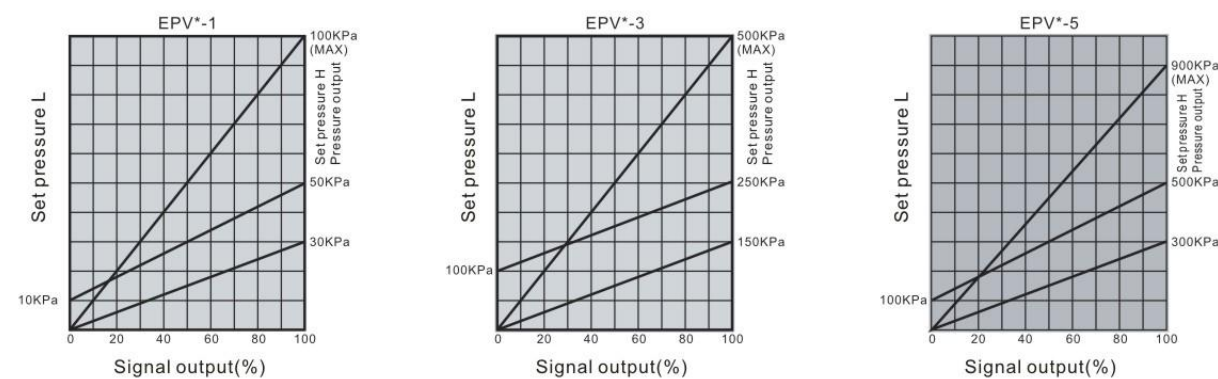
WIRING METHOD



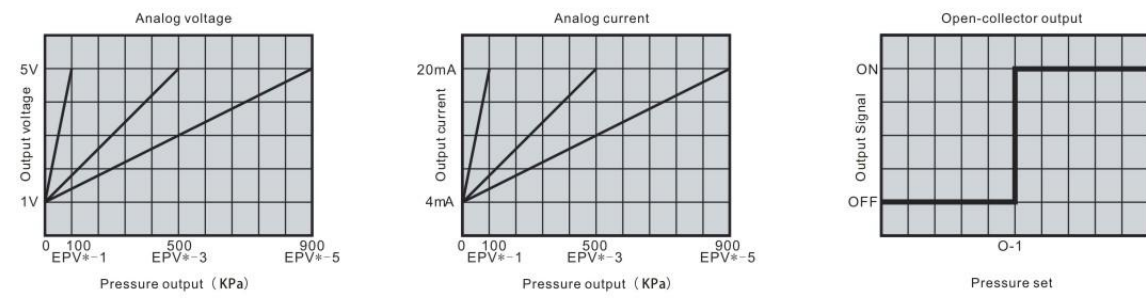
SETTING METHOD



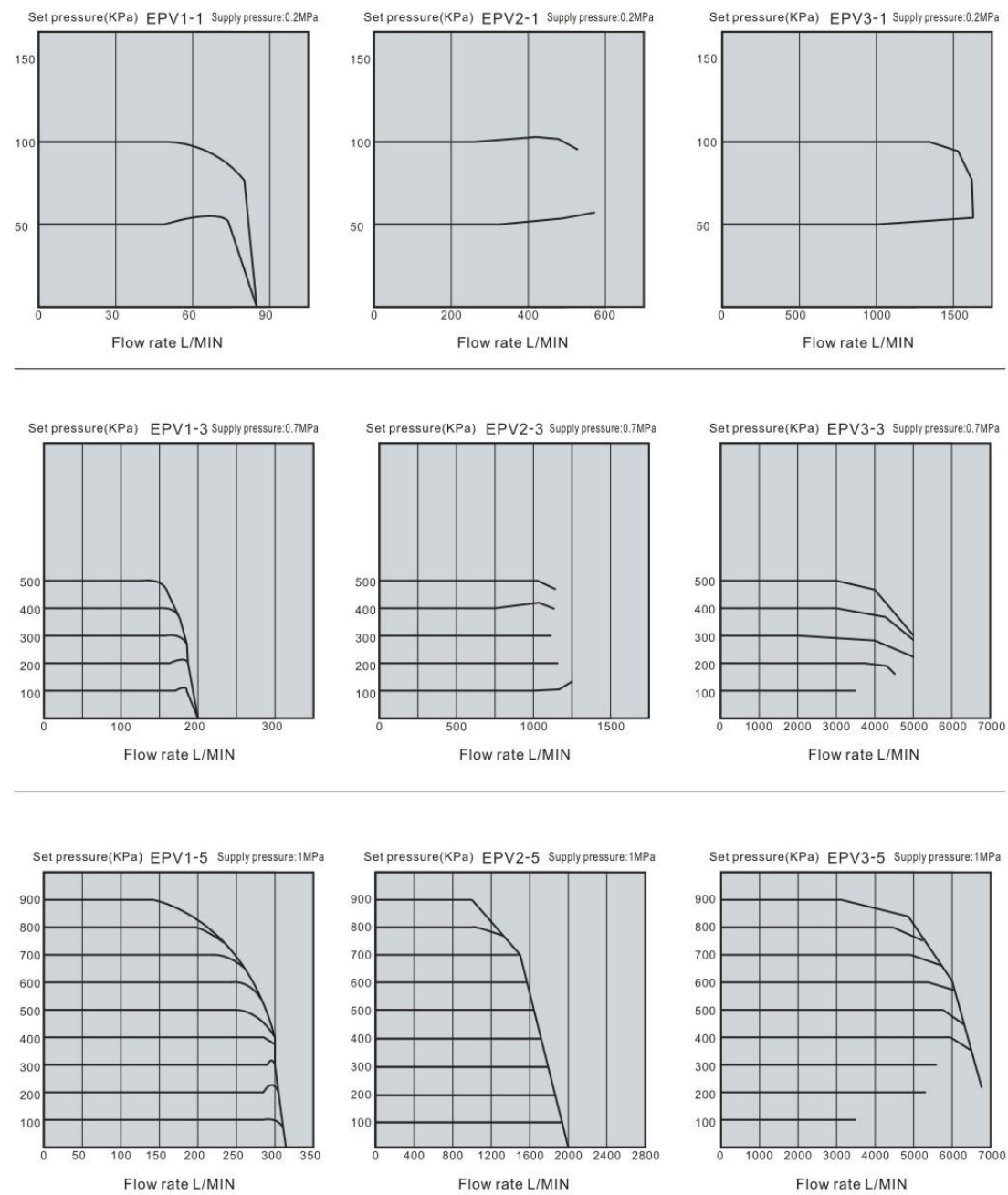
PRESSURE OUTPUT SIGNAL INPUT



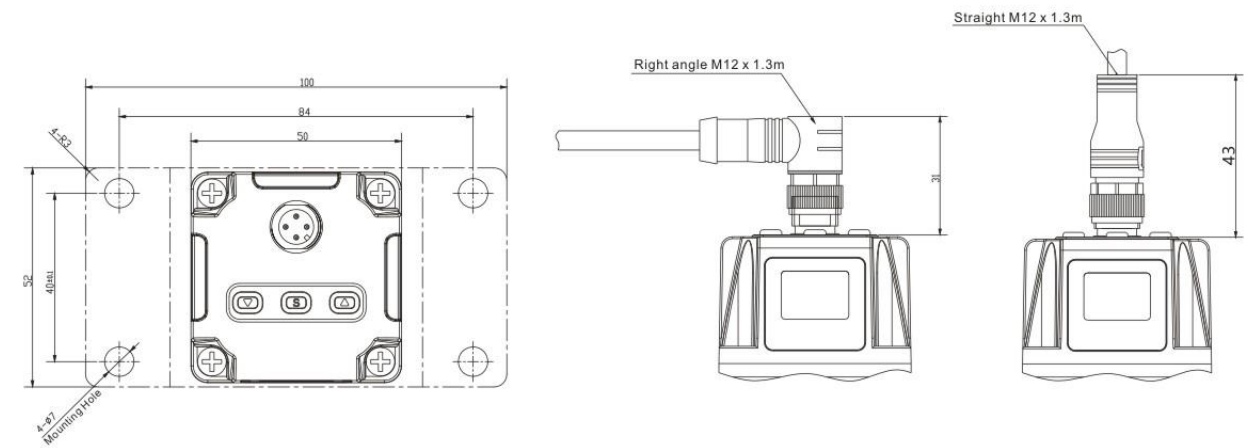
○ PRESSURE OUTPUT SIGNAL OUTPUT



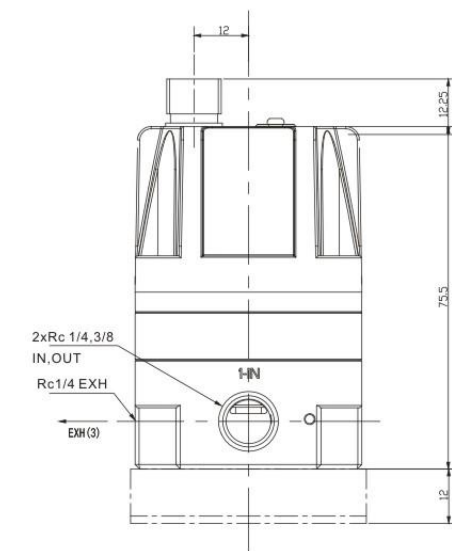
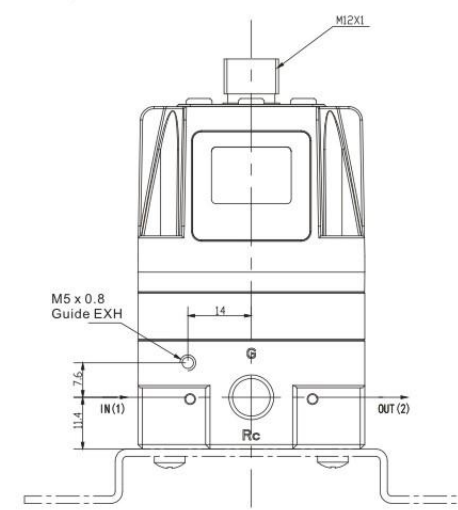
⇨ FLOW CHARACTERISTICS



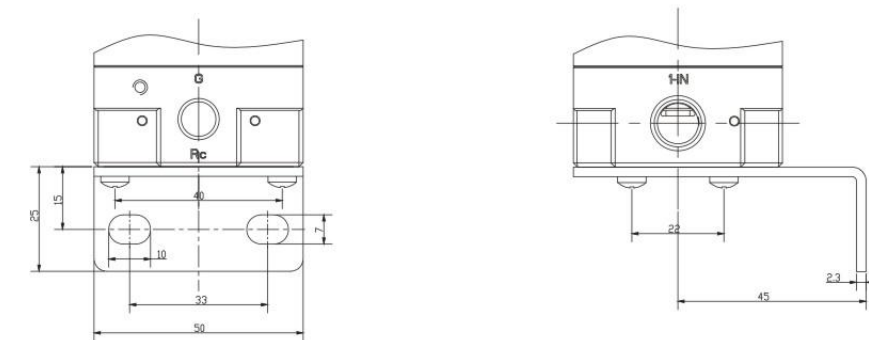
○ EPV1 DIMENSION (mm)



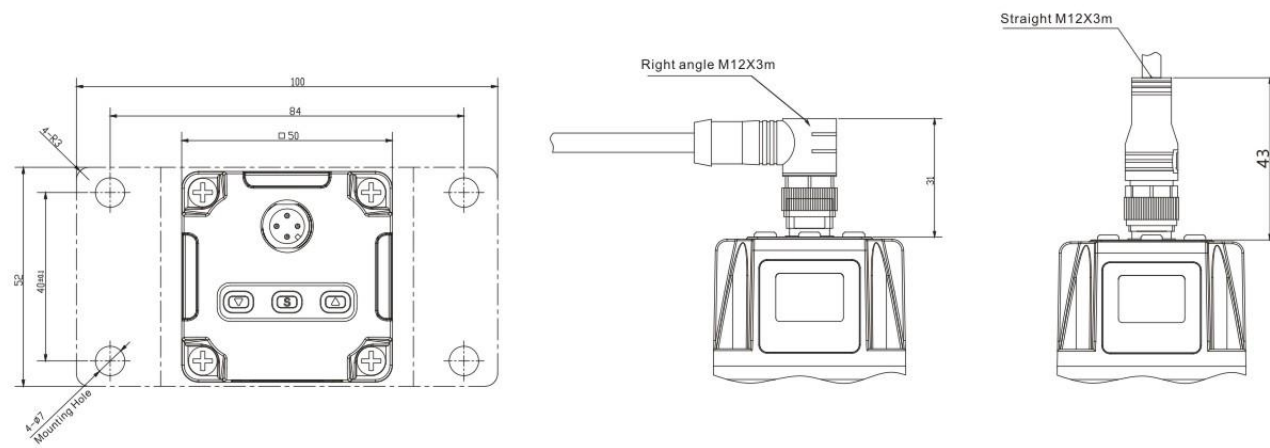
Flat Bracket assembly



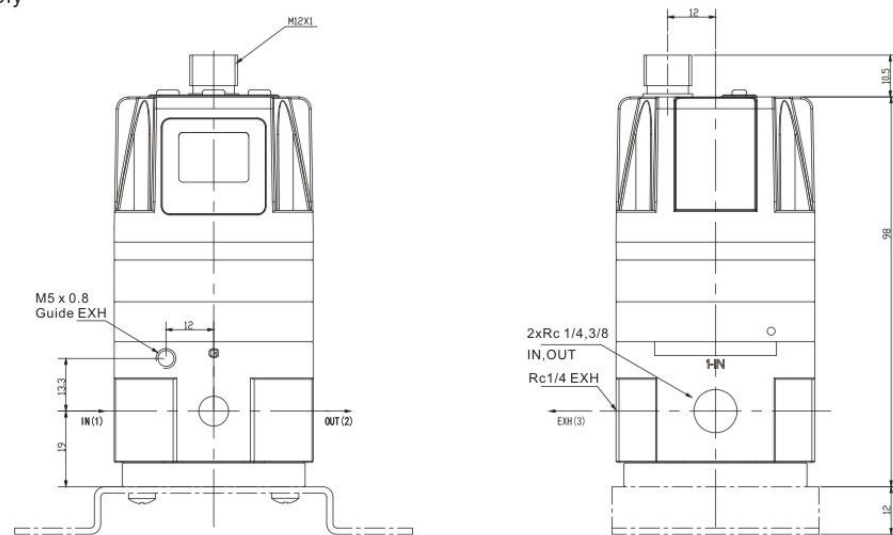
L Bracket assembly



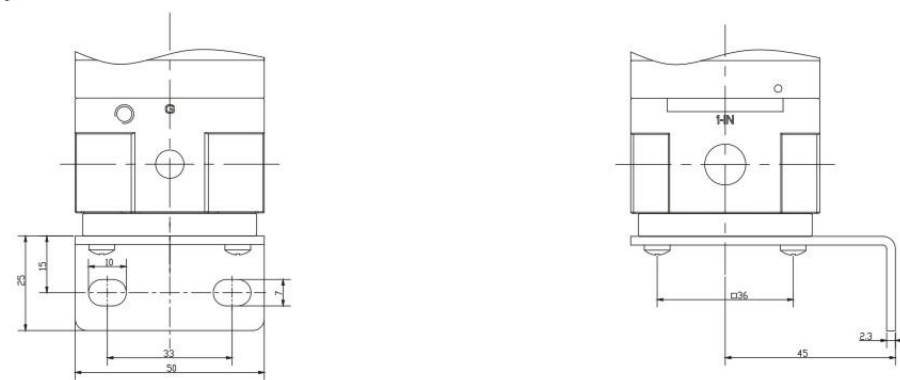
EPV2 DIMENSION (mm)



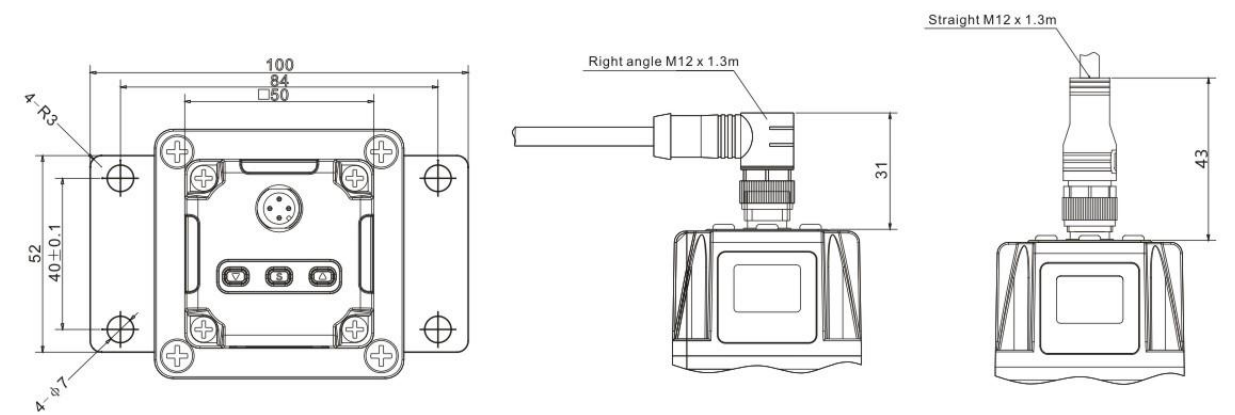
Flat Bracket assembly



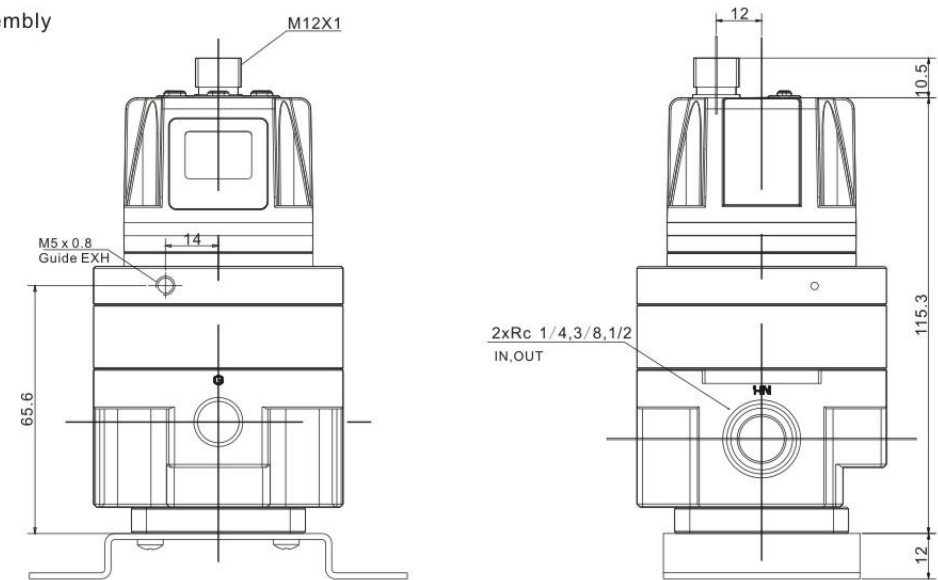
L Bracket assembly



EPV3 DIMENSION (mm)



Flat Bracket assembly



L Bracket assembly

