

USER MANUAL

MICRO FLOWMETER

Micro flowmeter provide precise volumetric measurement of small flow and of liquid or low flows. Found in a broad range of industries including automotive, aviation, power, chemical, pharmaceutical, food, paint, petroleum and gule

Application include metering of liquid, dosing, water treatment, oil, greases and hydraulic oil (high pressure), lubricating oil (high viscosity) and more

Features

- Min flow: 0.5ml/imn
- Flow Ratio: > 1:100
- OEM for high pressure, frequency; temperature
- Dosing; Rail test bench; metering flow; Dispensing; AB glue; chemical
- Digital display and output (4-20mA; RS485) with display instrument
- Stable pulse Output

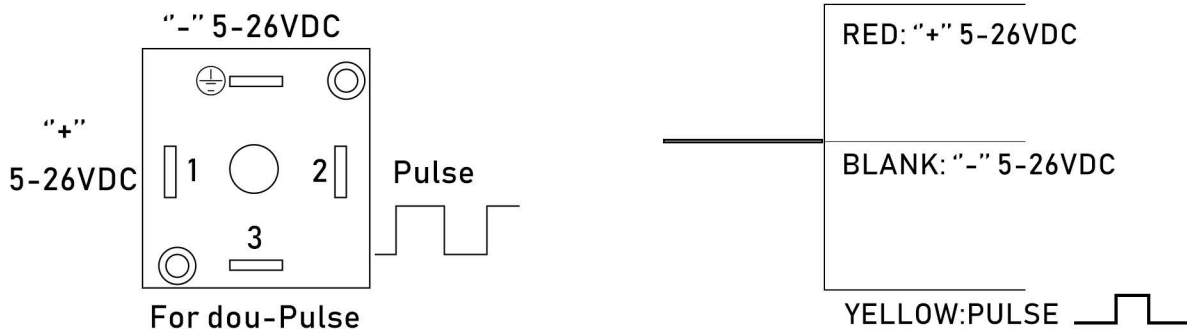
Original Equipment Manufacturers

Technical Data: CX-M

Model	CX-M2	CX-M3	CX-M5	CX-M5.1	CX-M6	CX-M9	CX-M12	CX-M25
Flow Range	0.5-150 ml/min	3-300 ml/min	5-1000 ml/min	1-800 ml/min	0.5-100 L/H	6-600 L/H	0.3-30 L/min	0.5-100 L/min
Connection	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4	G1/2	G1
K factor	0.06ml/p	0.14ml/p	0.36ml/p	0.36ml/p	1.00ml/p	5.00ml/p	17.50ml/p	45.0ml/p
Medium	Suitable for liquid such as: water; oil; chemical liquid							
Accuracy	+/-0.5%Fs							
Pressure	Standard type: 32Bar, Customized for high pressure							
Tem(°C)	Standard tem: -30~80°C, customized for high temperature							
Supplier	4~26VDC							
Material								
	-----SS series	Body:SS316l Gear:SS316L Bearing:SS316L						
	-----AL series	Body:Aluminium Gear:Aluminium Bearing:SS316L						

Wiring Diagram

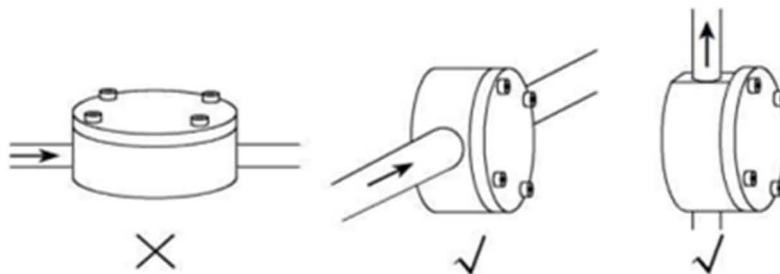
The K factor marked on the body of micro flowmeter, style is $\times\times$ ml/p; Example:M2: 0.065ml/p, The pulse output signal is NPN(open drain).



Installation

a. Pipe: The pipe should be clean when installation and install the filter front flowmeter To prevent debris get into flowmeter, In install process, pls ensure preventing it.

b. Direction: Pls install the axis of flowmeter is horizontal state, It's the cover Perpendicular to ground. For micro flowmeter, the best install direction is enter from follow and exit from above.



c. Flow: The medium flow direction should same as mark of body

d. Bypass: For flowing pipeline, the pipe should installed the bypass valve to clean timing if the pipe is vertical, the flowmeter should installed at bypass to prevent debris get into

e. Special Medium: (Easy crystallize and easy cure liquid)

Suggest reversed enough length pipe at defore and after flowmeter, Should take measure to prevent the medium crystallize and cure in pipe.

f. For Reflux pipeline: Pls install the Check valve to prevent the reflux to influence the signal.

Faults and solutions

a. Gear don't rotate

The gear got stuck by debris, should clean the gear and cavity; To clean and replace filter

b. Big error for micro flow

1) Pls check the install directon; 2) got stuck by debris, should clean it; 3) to check the Parameter on display instrument if you buy display instrument.

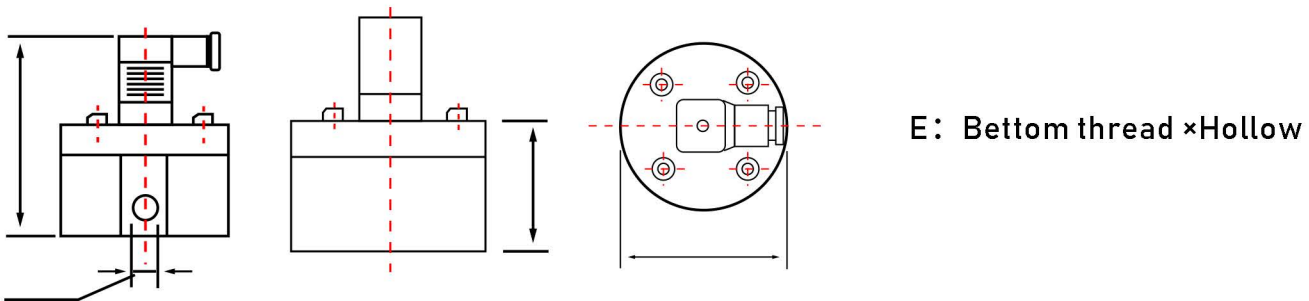
c. Big error

The actual usage flow range lower than or more than flow meter flow range, should choose the suitable flow range of micro flow meter.

d. No signal

1) The gear got sruck; 2) the circuit damaged ;3) with damaged display instrument should clean the flow meter and replace circuit and display instrument.

Dimension



Type	M2 M3 M5	M2 M3 M5 (high p)	M6	M9	M12	M25
A	30	30	40	47	44	56
B	62	62	72	79	79	91
C	G1/8"	G1/8"	G1/4"	G1/4"	G1/2"	G1"
D	40	50	50	60	85	100
E	M5×31	M5×36	M5×42	M5×52	M5×72	M6×61