

販売終了

Flow sensor for compressed air, tester kit

PFK Series

Air flow rate measuring component kit is available to measure the flow rate instantly at workshop.

- Flow rate range: 25 to 500, 50 to 1000, 100 to 2000, 200 to 4000, 400 to 8000Nℓ/min

Specifications

Descriptions		PFK500D	PFK1000D	PFK2000D	PFK4000D	PFK8000D
Spec.	Flow rate range Nℓ/min	25 to 500	50 to 1000	100 to 2000	200 to 4000	400 to 8000
	Port size	Rc1/2	Rc1/2	Rc1/2	Rc1	Rc1 1/2
Working conditions	Applicable fluid	Compressed air / N ₂ gas				
	Working air quality	Atmospheric dew point -17°C or less (* 1)				
	Max. working pressure MPa	1.5				
	Min. working pressure MPa	0.1				
	Withstanding pressure MPa	2.25				
	Ambient temperature and humidity	0 to 50°C 85%RH or less				
Accuracy	Fluid temperature °C	0 to 40				
	Linearity	± 1.5%F.S (0.7MPa and 20°C)				
	Pressure characteristics	± 1.5%F.S (0.1 to 1.5MPa, 0.7MPa standard)				
	Temperature characteristics	± 2.0%F.S (0 to 40°C, 20°C standard)				
Output	Response time sec	Approx. 1.25				
	Analog output	Standard DC0 to 5V Option: DC4 to 20mA, 1 to 5V and 0 to 10V				
	Switch output	Relay contact (1ch, a contact)				
	Power voltage	AC100V ± 10% (10W or less)				
Installation	Cable	Auxiliaries (3m connector, 0.5mm ² conductor) * 2				
	Set value holding function	Semipermanent due to EEPROM				
	Installation attitude	Both vertical and horizontal (resin cover facing downward excluded)				
	Installation strait piping section	Not required				
	Protective structure	Equivalent to IP64 (sensor section only)				
Mass kg		5.6			7.4	9.2

* 1: If foreign matter, water or oil is contained in the compressed air, detecting flow rate could be failed, so * sensor error * is displayed.

Always install a filter, refrigerating type dryer and oil mist filter before a flow sensor.

* 2: Extension cable (3m) can be connected. Model no. PF-FL-280775

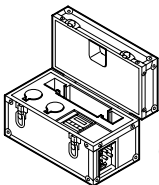
Product structure

How to order

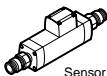
PFK 4000D

Ⓐ Flow rate range

Symbol	Descriptions
Ⓐ	Flow rate range
500D	25 to 500N ℓ/min
1000D	50 to 1000N ℓ/min
2000D	100 to 2000N ℓ/min
4000D	200 to 4000N ℓ/min
8000D	400 to 8000N ℓ/min



Case (Monitor)



Sensor



Coupler (2 pieces)

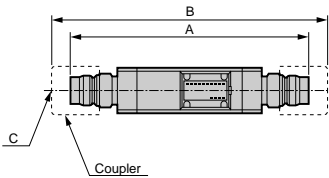


Cable (3m)

Power cable (2.5m)

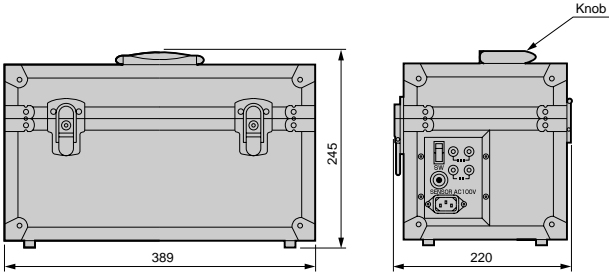
Dimensions

- PFK
Sensor section



	A	B	C
Sensor for PFK500D to 2000D	215	251	Rc1/2
Sensor for PFK4000D	292	338	Rc1
Sensor for PFK8000D	338	390	Rc1 1/2

Case



Refrigerating
type dryer
Desiccant
type dryer
High polymer
membrane
dryer

Air filter

Automatic
drain
other

F.R.L.
(Module)

F.R.L.
(Separate)

Small
F.R.

Precise
R.

Electro
pneumatic R.

Auxiliary

Flow control
valve

Silencer

Check valve
/ others

Joint
/ tube

Vacuum
F.

Vacuum
R.

Vacuum
generator

Vacuum
auxiliary
/ pad

Mechanical
pressure SW

Electronic
pressure SW

Electronic
dif. pres.
SW

Sealing / close
contact conf.
SW

Pressure SW
for coolant

Flow sensor
for air

Total air
system

Water
cooling
refrigerator

Flow sensor
for water

Flow sensor
For compressed air