

Oval gear Flow Sensor (positive displacement flow sensor)

MK-DOFS-size



Technical Data Sheet

Material of construction:

Enclosure : Aluminum anodize/S.S-304/S.S-316
 Rotor : Aluminum anodize/S.S-316/PPS
 O-ring : NBR/Viton
 Shaft : Hard Stainless Steel-316

Accuracy (standard installation position) : $\pm 1\%$ RS /0.1% FSD

Maximum working pressure : 5 MPa for aluminum body
 : 25 MPa for s.s. body
 : above 250 bar please contact company

Fluid & Ambient temperature: -40 to 80°C

Power voltage: 5 - 24V DC

Output signal: NPN open conector : 5 -24 vdc
 /Reed switch

Output:

high electric level : less than 4.5 VDC(input voltage 5 VDC)
 low electric level : higher than 0.5 VDC(input voltage 5 VDC)

Connection: Thread (M/F) or flange

CE Certified



Application:

Aluminum body and rotor : Flow measurements of kerosene, Gasoline, diesel, light oil, heavy oil
 S.S. body and rotor : Flow measurements of Pharmaceutical drug, food oil, and all application

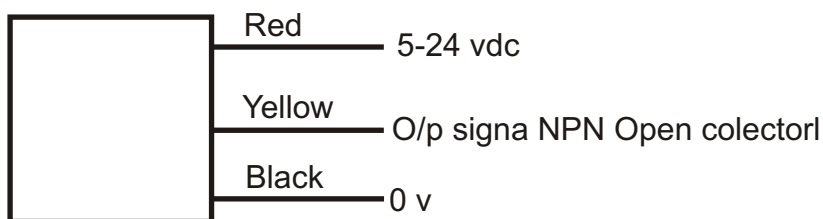
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Modal no	flow range	Litter/Puls
MK-DOFS-006	(5~150L/H)	0.000661
MK-DOFS-008	(20~300L/H)	0.0025
MK-DOFS-010	(50~800L/H)	0.0025
MK-DOFS-015	(80~1,500L/H)	0.0085
MK-DOFS-020	(150~2,000L/H)	0.0154
MK-DOFS-025	(200~4,000L/H)	0.0256
MK-DOFS-040	(500~10,000L/H)	0.086
MK-DOFS-050	(600~20,000L/H)	0.19
MK-DOFS-065	(800~30,000L/H)	0.36
MK-DOFS-080	(1,000~50,000L/H)	0.54
MK-DOFS-100	(2,000~100,000L/H)	1.0
MK-DOFS-150	(5,000~150,000L/H)	3.2

Electric connection



Calibration:

Calibration process

- *Calibrated each flow sensor with three pressure point : 0.5 bar, 4 bar, and 25 bar ,
- *all pressure calculate pulse/litter at : 25%, 50%, 75% and 100% flow rate
- *Calibrated with pure diesel

