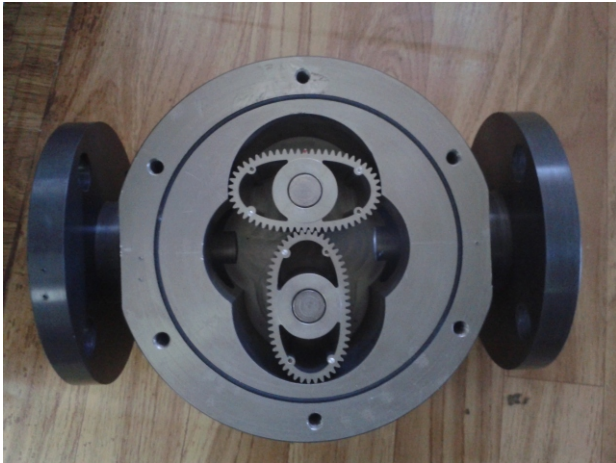


Oval gear Flow Sensor (positive displacement flow sensor)



BT-DOFS-size **BROIL**



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 /0.15% FSD
Repeatability : 0.1%

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

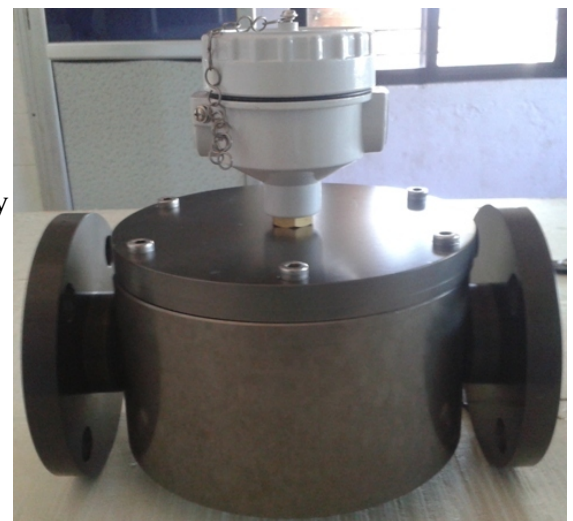
Fluid & Ambient temperature: -40 to 80°C

Power voltage: 5 - 24V DC / Battery operated
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

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



Oval gear Flow Sensor (positive displacement flow sensor)

BT-DOFS-size **BROIL**

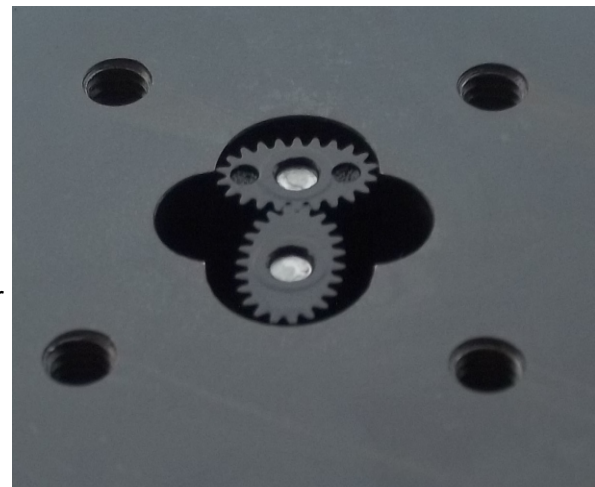
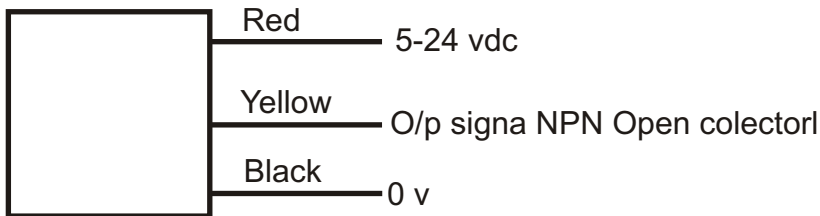
Technical Data Sheet

Fuel flow sensor model no wise Technical data: ^

<u>Model no</u>	<u>Line size</u>	<u>Range</u>	<u>Litter/pulse</u>
BT-DOFS-003	4mm --1/4" Thread	0.05~30L/H	0.000333 L/P^
BT-DOFS-004	4mm --1/4" Thread	0.2~60L/H	0.000416 L/P^
BT-DOFS-006	6mm --1/4" Thread	5~150L/H	0.000661 L/P^
BT-DOFS-008	8 mm--3/8" Thread	20~300L/H	0.0025 L/P^
BT-DOFS-012	12 mm--1/2" Thread	50~1200L/H	0.0025 L/P^
BT-DOFS-020	20 mm--3/4" Thread	150~2,000L/H	0.0154 L/P^
BT-DOFS-025	25 mm--1" Thread	200~4,000L/H	0.0256 L/P^
BT-DOFS-040	40 mm-- 1.5" Flange	500~10,000L/H	0.086 L/P^
BT-DOFS-050	50 mm-- 2" Flange	600~20,000L/H	0.19 L/P^
BT-DOFS-080	80 mm -- 3" Flange	1,000~50,000L/H	0.54 L/P^
BT-DOFS-100	100 mm-- 4" Flange	2,000~100,000L/H	1.0 L/P^
BT-DOFS-150	150 mm-- 4" Flange	5,000~150,000L/H	3.2 L/P^



Electric connection



Calibration:

Calibration process

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