

PADDLEWHEEL FLOW SENSOR

GSFL54

FEATURES

- Accuracy: $\pm 0.003\%$ F.S.
- High brightness 0.4" LED; Rate of display range: 0~9999
- Flow unit selectable: Liter / Gal / C.C. / m^3
- Time unit selectable: sec / min / hour / day / month
- K factor programmable for pulse output per liter
- 2 alarms output / RS-485 communication optional
- Measuring range: 1.5~25 L/min
- Thread connection($\frac{1}{2}$ " BPS), easily installation
- CE approval



ORDER INFORMATION : GSFL54 - Code 1 Code 2

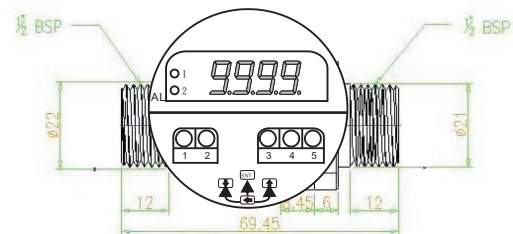
Code 1	Flow Range	Code 2	Optional Output
002	1.5-2.0 L/min	N	None
045	2.0-4.5 L/min	Y	O.C.*2 & RS-485
012	4.5-12.0 L/min		
025	12.0-25.0 L/min		

SPECIFICATION

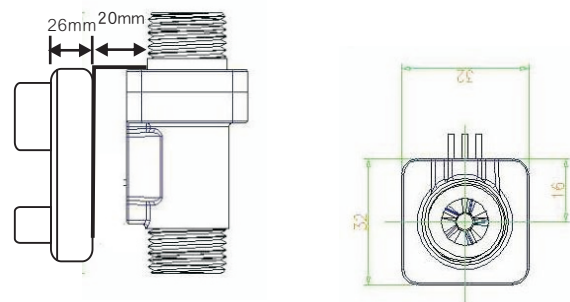
- ◆ Accuracy: 0.003% F.S.
- ◆ Display Screen: High brightness red LED; 10.16mm (0.4")
- ◆ Sampling Cycle: 16 cycles / sec
- ◆ Display Range: -1999~9999
- ◆ Over Range Indication: doFL or -doFL
- ◆ Parameters Setting: Push buttons
- ◆ Exciting Power: DC 15~30V for transmitter
- ◆ Open Collect Output: DC 30V; 30mAdc max.
- ◆ Alarm Action: " \geq (Hi) on" or " $<$ (Lo) on"
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 9600 / 4800 / 2400 bps
- ◆ Temp. Coefficient: 100ppm / $^{\circ}C$ (0~60 $^{\circ}C$)
- ◆ Operating Temperature: 0~60 $^{\circ}C$; 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}C$; 20~90% RH (non-condensing)
- ◆ Material:(Transmitter) Display housing: ABS
- ◆ Accuracy(sensor): $\pm 10\%$ from scale value
- ◆ Repeatability(sensor): $\pm 2\%$ from scale value
- ◆ Range:(sensor) 1.5~25 Liter/min (H₂O at 22 $^{\circ}C$)
- ◆ Sensing Principle: Hall-Effect
- ◆ Max. Operating Pressure: 1 Mpa
- ◆ Max. O/P Current (at 24V): 8mA
- ◆ Burst Pressure (at 22 $^{\circ}C$): >15 bar
- ◆ Output Signal:(sensor) Open Collect
- ◆ Operating Temperature: 0~80 $^{\circ}C$
- ◆ Power Supply:(sensor) 2.4~26VDC
- ◆ Wiring Cable:(sensor) Round cable 3x0.14 mm LIYY
- ◆ Protection:(sensor) IP65

DIMENSION

FRONT PANEL



SIDE VIEW



K FACTOR TABLE:

Flow Range (L/min)	Vertical	Horizontal
1.5~2.0 L/min:	277	230
2.0~4.5 L/min:	270	263
4.5~12.0 L/min:	263	263
12.0~25.0 L/min:	263	263

MATERIAL FEATURES

Materials	POM-Version
Housing:	Nylon
Impeller:	POM
Stick of Turbine:	Plastic magnet
O-Rings:	EPDM
Weight:	approx. 45g
Process connection:	$\frac{1}{2}$ " BSP

WIRING CONNECTION

