Savant FS-4000H Flow Sensor, Digital Output

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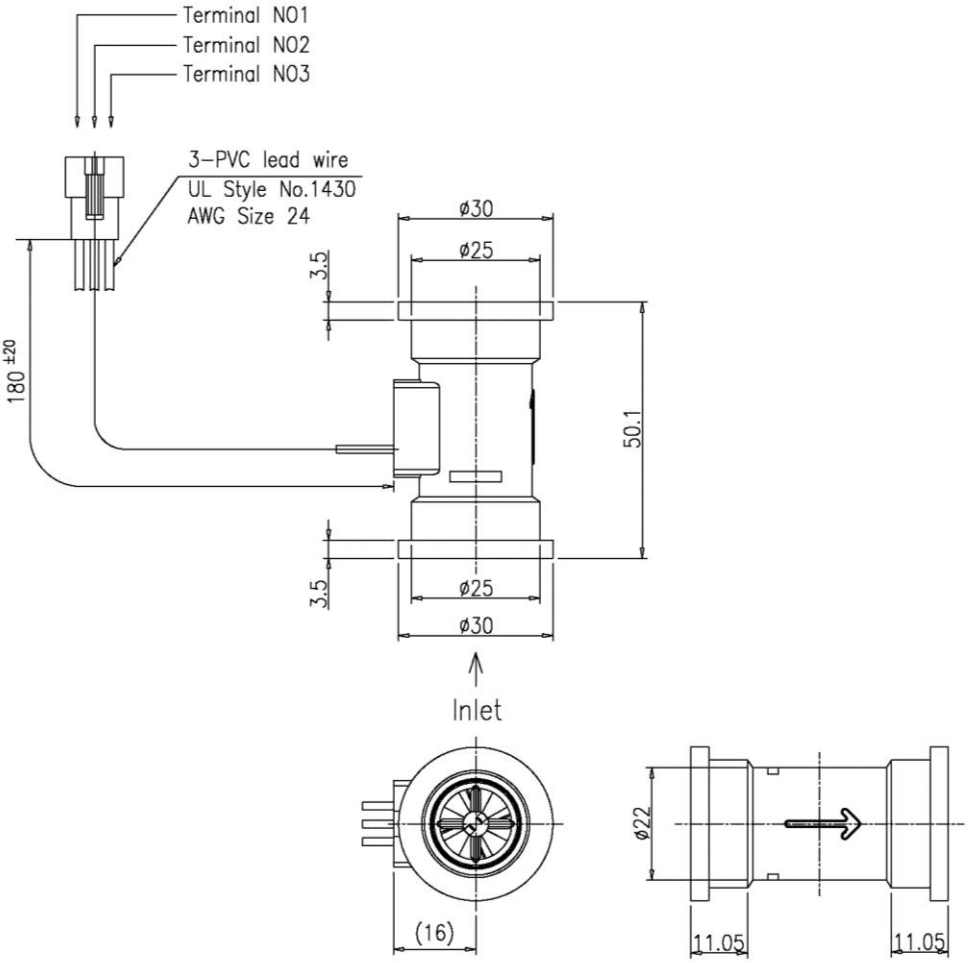
Features :

- □ Small and compact dimension
- □ High reliability and durability
- □ Installation flexibility : vertical or horizontal
- □ Wide rated voltage : 2.4 to 26 VDC
- □ Hall effect sensor, digital output

Application :

- ✓ Water heater, boiler and heat pump

1.0 Mechanism :



2.0 Electrical :

Supply voltage : 2.4 – 26 V DC

Supply current : typical 2.8 mA, maximum 8.0 mA.

Output mode : open collector

Output rise time : typical 1.0μsecond. maximum 10μsecond.

Output falling time : typical 0. 3μsecond. maximum 1.5μsecond.

Wire connection : (Red) : Vdd

(Brown) : Vout

(Black) : Gnd

Connector : JST compatible, Housing : SMR-03V-N, Terminal : SYM-0001T-P0.6

3.0 Application :

Mounting Method : Horizontal to Vertical

Range of Flow Rate : 1.5 – 25 L/min.

Calibration(horizontal mounting) : 6.1 ± 1.0 pps @ 1.5 Liter/min.

18.2 ± 2.0 pps @ 3.0 Liter/min.

37.2 ± 3.0 pps @ 6.0 Liter/min.

89.2 ± 9.0 pps @ 15.0 Liter/min.

115.4 ±11.0 pps @ 20.0 Liter/min.

Calibration(vertical mounting) : 9.6 ± 1.0 pps @ 1.5 Liter/min.

18.4 ± 2.0 pps @ 3.0 Liter/min.

37.4 ± 3.0 pps @ 6.0 Liter/min.

89.8 ± 9.0 pps @ 15.0 Liter/min.

116.3 ±11.0 pps @ 20.0 Liter/min.

Maximum working pressure : 1MPa

Fluid : Cold / Warm Water

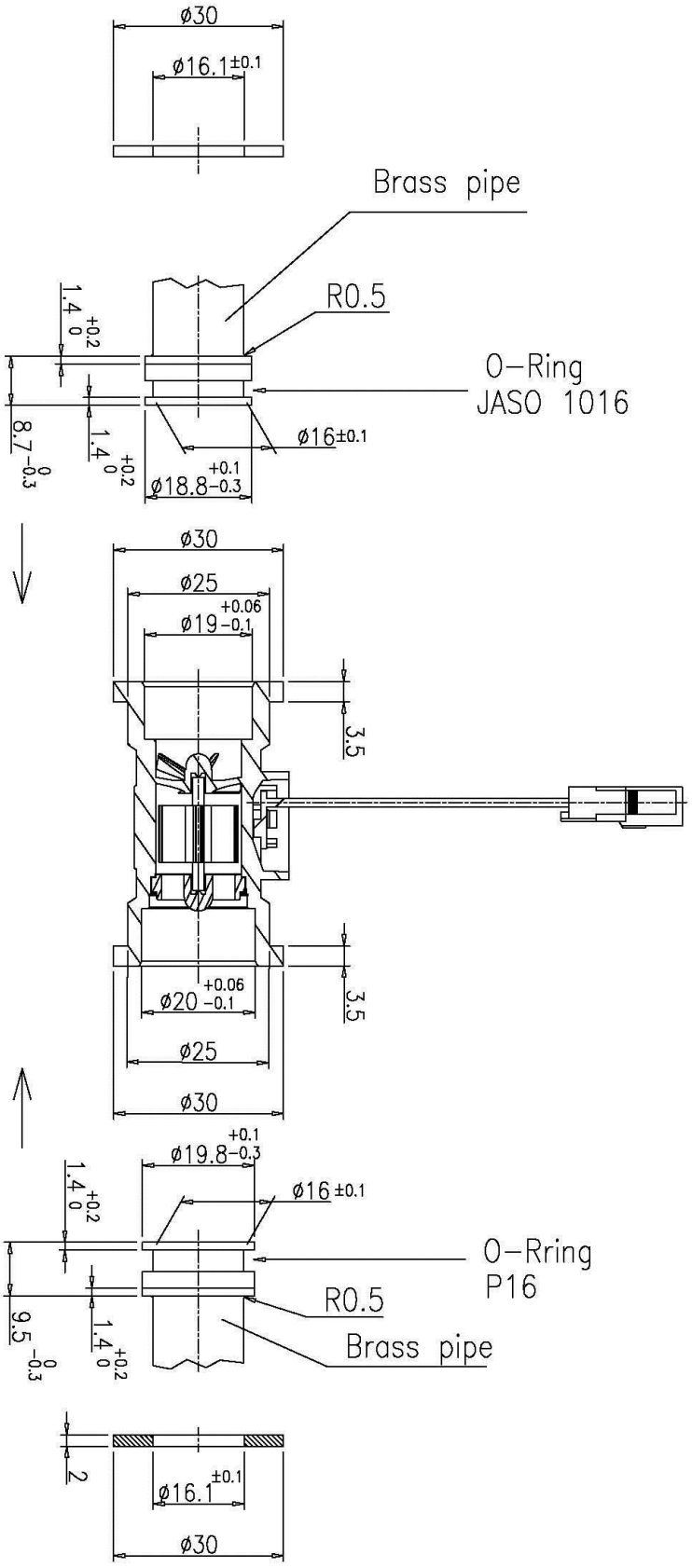
Fluid temperature : 0 ~ 80℃

Environment temperature : -20 ~ 80℃

Body Materials : PPS with 40% glass fiber

Inside turbine holder : Acetal copolymer (POM)

Turbine : plastic magnet

Turbine stick : SS304 stainless steel

4.0 Connection