■Features

- Positive and negative water pressure measurable
- Volt level output
- Piggy-back style, pre-amplified and pre-compensated module
- Pre-calibration of offset voltage and span

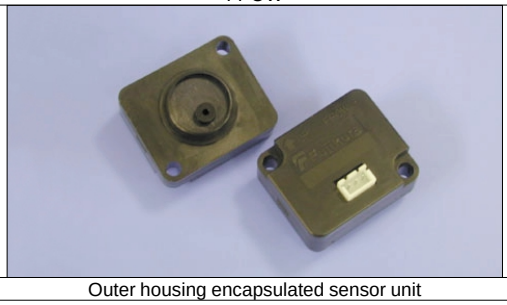
■Applications

- Boiler
- Industrial instrumentation

■Part number for ordering

FPOW - 08 G

- FPOW: Model
- 08: Rated pressure (PSI)
- G: Pressure type — G : Gauge (Bipolar pressure)

Pressure type	Gauge pressure
Model	FPOW 
Package configuration	Outer housing encapsulated sensor unit

Measurable pressure range (kPa)	Part number for ordering
−29.4～49.0	FPOW-08G

■Specifications

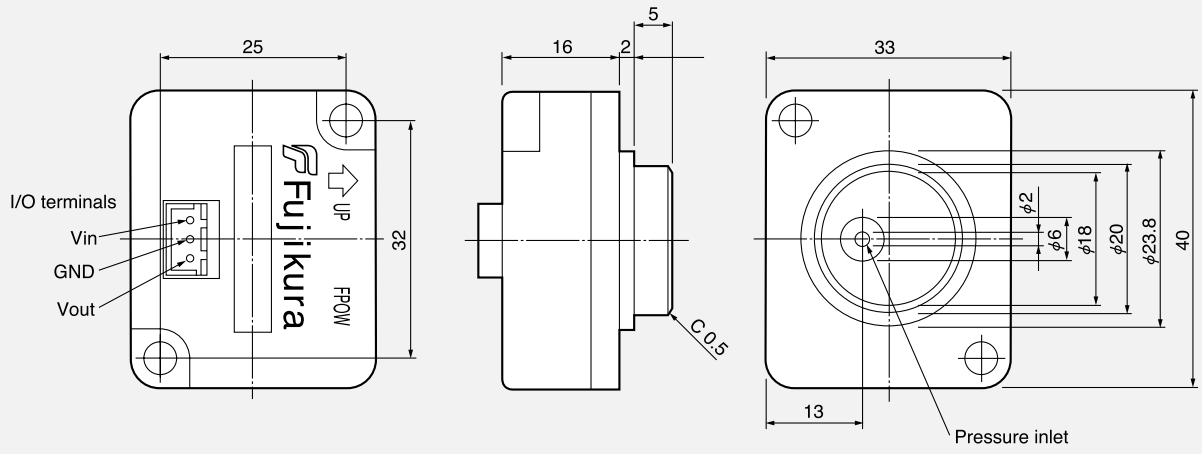
Model/Rated pressure	08G		Unit
Recommended operating conditions			
Pressure type	Gauge pressure		−
Rated pressure	−29.4～49.0		kPa
	−0.3～0.5		kg/cm²
Measurable pressure range	−29.4～49.0		kPa
Pressure media	Bath water (including bath fragrance)		−
Excitation voltage	5.0		VDC
Absolute maximum rating			
Maximum load pressure	Positive pressure	196	kPa
	Negative pressure	−98	kPa
Maximum excitation voltage	12		VDC
Operating temperature	−20 ～+60		℃
Storage temperature	−40 ～+80		℃
Operating humidity	30～80 (No dew condensation)		%RH
Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature Ta=25 ℃)			
Current consumption	less than 10		mA
Mechanical response time	5 (For the reference)		msec
Output voltage	0.3(−29.4kPa)～3.5(49.0kPa)		V
Full scale span voltage	3.2±0.1		V
Offset voltage	1.5±0.1		V
Temperature sensitivity of offset(TSO)	±2.5		%FS/0～50℃
Temperature coefficient of sensitivity(TCS)	±2.5		%FS/0～50℃

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■ Outline dimensions ■

unit(mm)

FPW



Note ; Please read instruction “Notes” before using the sensor.
Fujikura reserves the right to change specifications without notice.

Fujikura Ltd.
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