

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

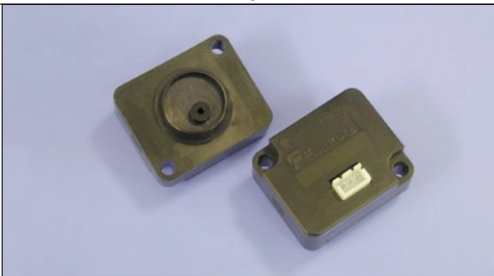
Part number for ordering

FPOW - 08 G

Model
FPOW

Rated pressure (PSI)

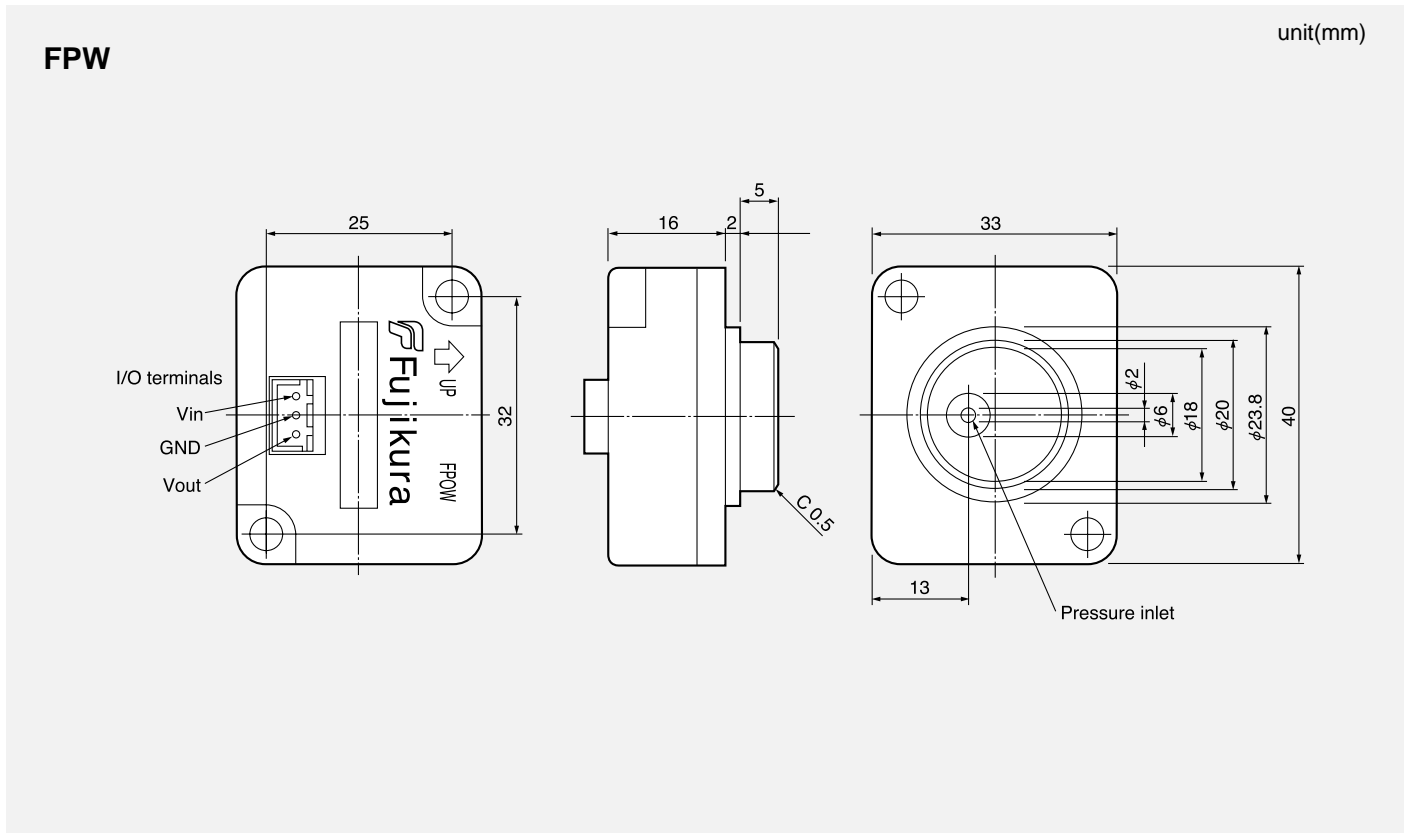
Pressure type
G : Gauge (Bipolar pressure)

| | | |
|---------------------------------|---|--|
| Pressure type | Gauge pressure FPOW | |
| Model |  | |
| 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/cm ² |
| 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 | | °C |
| Storage temperature | -40 ~ +80 | | °C |
| Operating humidity | 30 ~ 80 (No dew condensation) | | %RH |
| Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature Ta=25 °C) | | | |
| 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 °C |
| Temperature coefficient of sensitivity(TCS) | ±2.5 | | %FS/0~50 °C |

■ Outline dimensions ■



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

Fujikura Ltd.

If you have any questions regarding technical issues or specifications, please contact us.
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