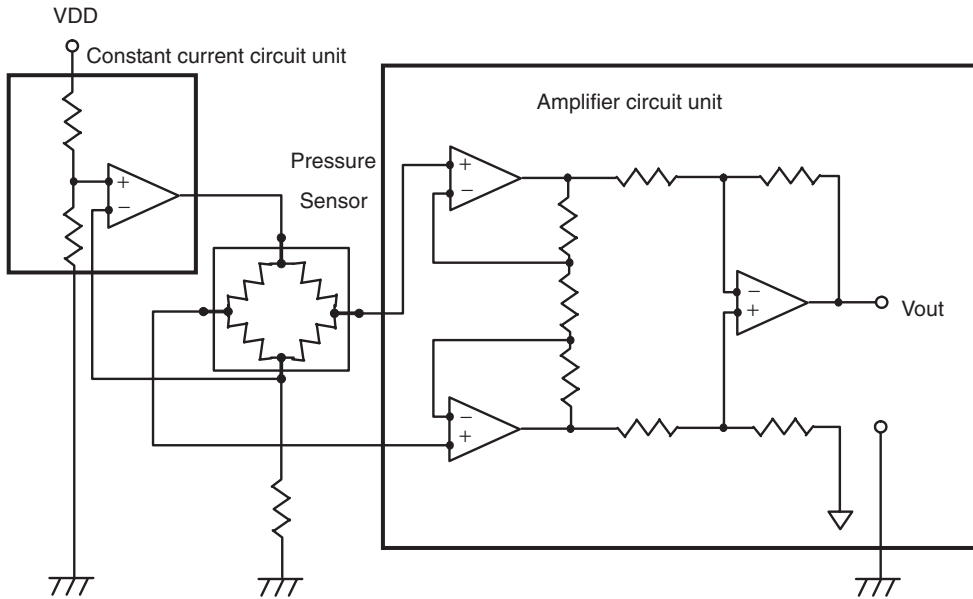


## Example of Application Circuit for MEMS Pressure Sensor

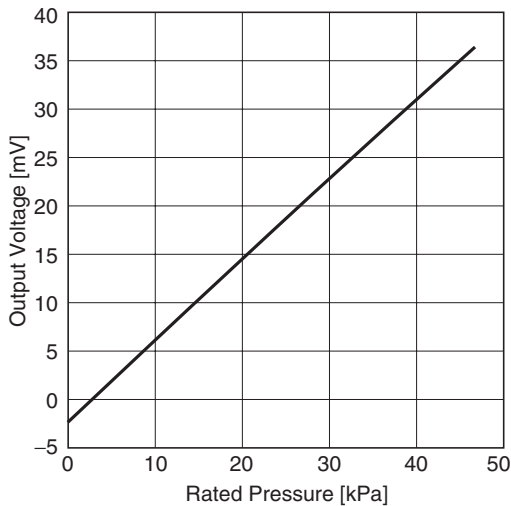


1. The pressure sensor is designed to convert a voltage by means of constant current drive.
2. Please amplify the output voltage of the pressure sensor by using the amplifying circuit if necessary.

## Engineering Data (for Reference)

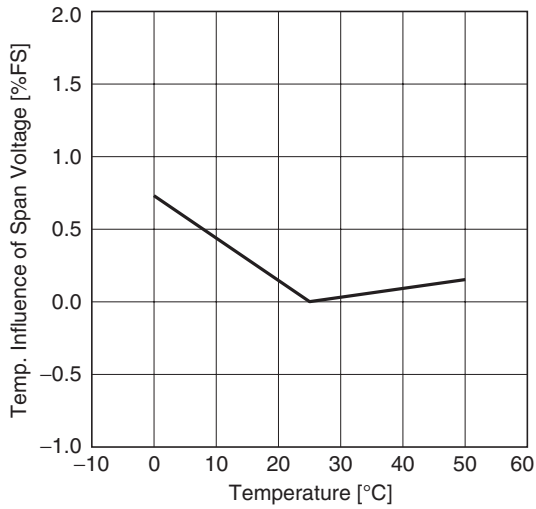
### ■ Output Characteristics

#### Rated Pressure vs. Output Voltage

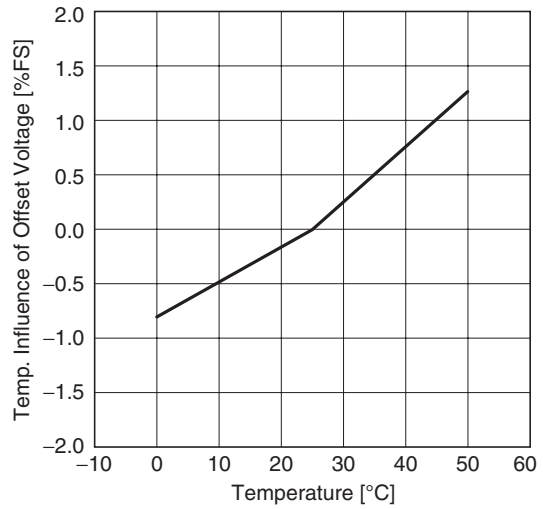


- Note:**
1. Ambient temperature condition: 25°C
  2. Drive current: 100  $\mu$ A
  3. These output voltage characteristics are measured with tester without a mounting board.
  4. The output voltage characteristics may be influenced by the mounting board. Be sure to check operation including durability in actual equipment before use.

**Temperature Influence of Span Voltage**

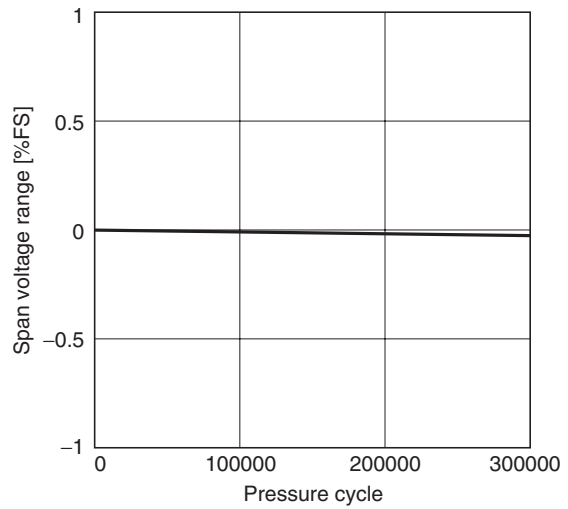
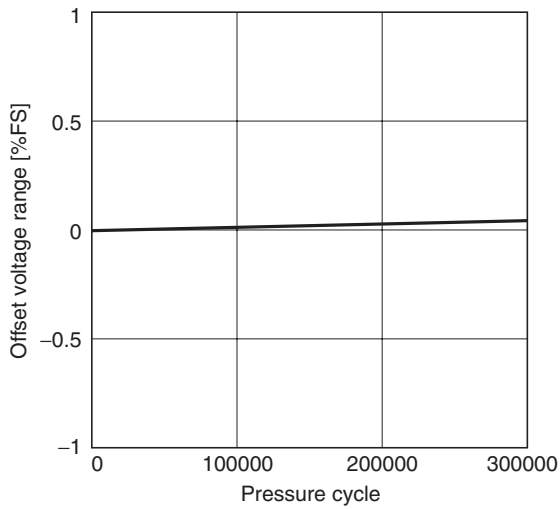


**Temperature Influence of Offset Voltage**



- Note:**
1. Measured points are 0°C and 25°C, 50°C
  2. Drive current: 100 μA
  3. These output voltage characteristics are measured with tester without a mounting board.
  4. The output voltage characteristics may be influenced by the mounting board. Be sure to check operation including durability in actual equipment before use.

**Pressure Cycle Range ( 0 to 40 kPa)**



- Note:**
1. Tested temperature condition: 25°C
  2. Number of pressure cycle time:  $3 \times 10^5$
  3. Rated cycle pressure: 0 to 40 kPa
  4. These output voltage characteristics are measured with tester without a mounting board.