How to connect the Pressure Sensor

The method of connecting the Pressure Sensor is different depending on whether the rated pressure is low pressure type or high pressure type.
Definitions of low pressure type and high pressure type are described as follows.
(1) Low pressure type (Rated pressure: 5 kPa – 100 kPa)...See Fig. 1.
(2) High pressure type (Rated pressure: 100 kPa – 1000 kPa)...See Fig. 2.
For recommended connection method for each type, see the following details.
(Connection method used for testing at Panasonic)

Fig.1 Low pressure type connection example

Silicon tube
  •Example of manufactures: Tech-Jam, etc.
  •Type: Inside diameter 2φ (PF, PS-A)
    Inside diameter 1.5φ (PS)

Pressure Sensor
Printed circuit board
Soldering

Fig.2 High pressure type connection example

O-ring
  •Example of manufactures: NOK, etc.
  •Type: JIS P3

Housing by user
Pressure Sensor
Printed circuit board
Soldering