All to brighten the world FURUKAWA ELECTRIC

Pressure Sensor

Our Optical Fiber Pressure Sensor enables highly accurate pressure measurement while supporting the miniaturization of medical devices.



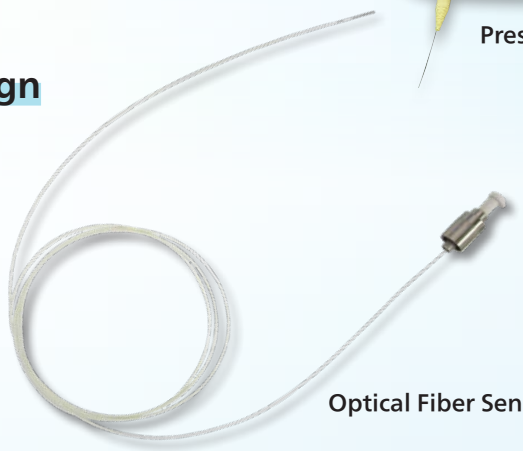
Pressure Sensor Console

Key Features

- **Stable Measurement with Low Drift**
- **Immune to Electrical Interference**
- **Small Sensor Head Diameter**
- **Wide Measurement Range**
- **Cost-Effective System Design**

Applications

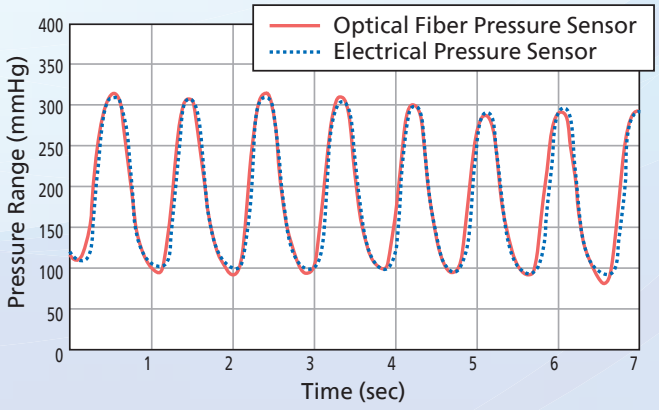
- Intravascular Pressure Monitoring
- Fractional Flow Reserve (FFR)


Optical Fiber Sensor Probe

Specification

Item	Value
Pressure Measurement Range	-50 to 300 mmHg
Measurement Accuracy	≦ 3 mmHg
Thermal Drift	≦ 0.2 mmHg /℃
Sensor Head Outer Diameter	≦ 0.3 mm
Response Time	≦ 0.1 s
High-Temperature Resistance	Operation verified after exposure to 100°C for 12 days

- Comparison of Response Times



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