

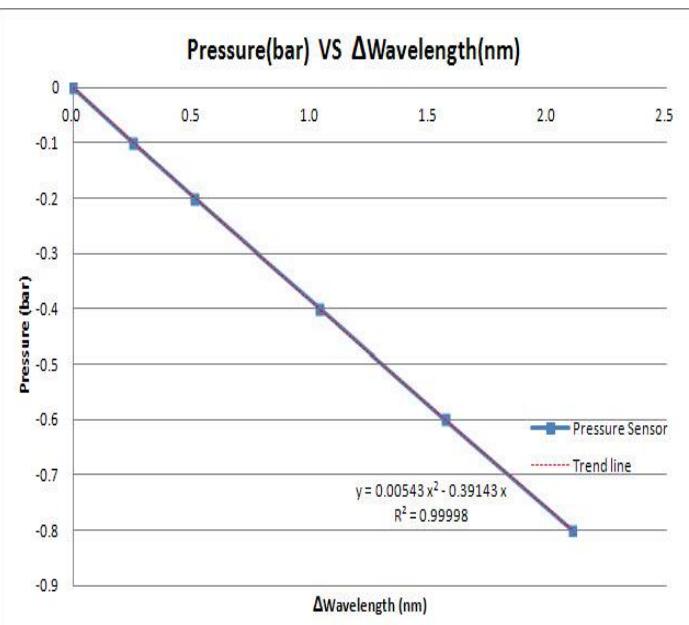
## 4.10 FBG Pressure Gauge



- ✓ Pressure evaluation within the duct or pipe
- ✓ Long-term measurements to Pressure variation within the duct or pipe
- ✓ Pressure measurements within the various pipelines and gas pipe
- ✓ Built-in FBG sensor for temperature compensation

Compared with other companies of which FBG Pressure Gauges are operated broad bandwidth in the range of wavelength by using “TWO FBG” sensors, our sensors can be operated at half of that because they use only “ONE FBG” for Pressure measurement and have high accuracy. Therefore Interrogator cost can be reduced.

Model	FBG-PR-310
Measurement range	0~10bar (Depending on user's demand)
FWHM(-3 dB point)	≤ 0.3 nm
Resolution(%)	± 0.05 % Full Scale
Accuracy(% F.S)	± 0.3, 0.5, 1 (Depending on user's demand)
Wavelength(nm)	1,511 ~ 1,590
Reflectivity(%)	≥ 70
Operating temperature(°C)	-10 ~ 50
Dimension(mm)	ø34 * 210



Wavelength set division

SET-A		SET-B	
No.	Operating Wavelength range (nm)	No.	Operating Wavelength range (nm)
1	1511.1~1516.2	1	1514.1~1519.2
2	1517.1~1522.2	2	1520.1~1525.2
3	1523.1~1528.2	3	1526.1~1531.2
4	1529.1~1534.2	4	1532.1~1537.2
5	1535.1~1540.2	5	1538.1~1543.2
6	1541.1~1546.2	6	1544.1~1549.2
7	1547.1~1552.2	7	1550.1~1555.2
8	1553.1~1558.2	8	1556.1~1561.2
9	1559.1~1564.2	9	1562.1~1567.2
10	1565.1~1570.2	10	1568.1~1573.2
11	1571.1~1576.2	11	1574.1~1579.2
12	1577.1~1582.2	12	1580.1~1585.2
13	1583.1~1588.2		