

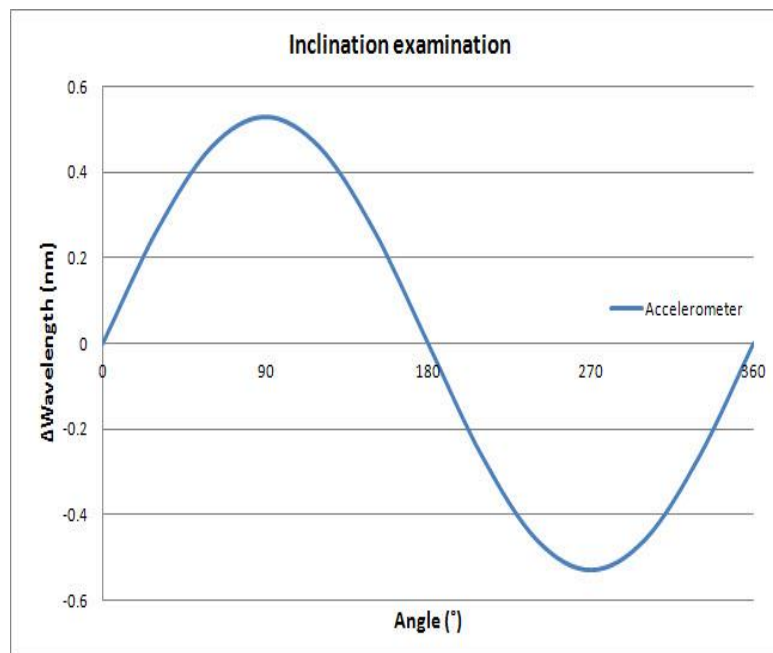
4.8 FBG Accelerometer



- ✓ Safety evaluation of structures
- ✓ Long-term measurements for vibration variation of the structures
- ✓ Acceleration and stress measurements of the structures
- ✓ Vibration measurements of the structures by external forces
- ✓ Vibration Measurement of the outside of the structures or of body

“USA, EU, China, Japan, Canada patents” registered

Model	FBG-AC-310
Measurement range	$\pm 2G$ (Depending on user's demand)
FWHM(-3 dB point)	$\leq 0.3 \text{ nm}$
Resolution(%F.S)	± 0.1
Accuracy(%F.S)	$\pm 0.3, 0.5, 1$ (Depending on user's demand)
Wavelength(nm)	1,511 ~ 1,590
Reflectivity(%)	≥ 70
Operating temperature($^{\circ}C$)	-20 ~ 80
Gauge factor(pm/G)	$\geq 250, \geq 500$
Frequency(Hz)	0 ~ 80 (Depending on user's demand)



Wavelength set division

SET	
No.	Operating Wavelength range (nm)
1	1511.5~1513.8
2	1514.5~1516.8
3	1517.5~1519.8
4	1520.5~1522.8
5	1523.5~1525.8
6	1526.5~1528.8
7	1529.5~1531.8
8	1532.5~1534.8
9	1535.5~1537.8
10	1538.5~1540.8
11	1541.5~1543.8
12	1544.5~1546.8
13	1547.5~1549.8
14	1550.5~1552.8
15	1553.5~1555.8
16	1556.5~1558.8
17	1559.5~1561.8
18	1562.5~1564.8
19	1565.5~1567.8
20	1568.5~1570.8
21	1571.5~1573.8
22	1574.5~1576.8
23	1577.5~1579.8
24	1580.5~1582.8
25	1583.5~1585.8
26	1586.5~1588.8