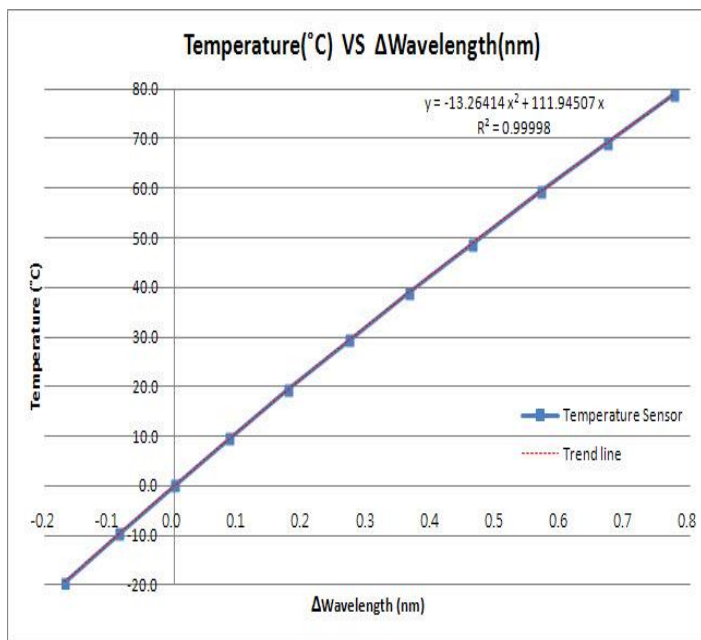


## 4.5 FBG Temperature Sensor



- ✓ Temperature measurements inside and outside of the structures
- ✓ Water temperature measurements of dams, banks, structures
- ✓ Long-term temperature measurements in a humid place
- ✓ Safety evaluation on temperature change of structures
- ✓ Temperature measurements
- ✓ Temperature measurements during the curing of concrete structures

Model	FBG-TE-310
Measurement range(°C)	-20 ~ 80
FWHM(-3 dB point)	≤ 0.3 nm
Resolution(°C)	0.1
Wavelength(nm)	1,511 ~ 1,590
Reflectivity(%)	≥ 70
Gauge factor(pm/°C)	9.7
Dimension(mm)	54 * 31 * 5



Wavelength set division

SET			
No.	Wavelength (nm)	No.	Wavelength (nm)
1	1511.2	14	1550.2
2	1514.2	15	1553.2
3	1517.2	16	1556.2
4	1520.2	17	1559.2
5	1523.2	18	1562.2
6	1526.2	19	1565.2
7	1529.2	20	1568.2
8	1532.2	21	1571.2
9	1535.2	22	1574.2
10	1538.2	23	1577.2
11	1541.2	24	1580.2
12	1544.2	25	1583.2
13	1547.2	26	1586.2