



Embedded FBG

Embedded FBG (Embedded Fiber Bragg Grating Sensor)

The embedded FBG is designed for embedded into the interior of the concrete, reinforced concrete or composite materials. Its rugged design ensure long term monitoring. Custom design on dimension and measuring strain is available on request.



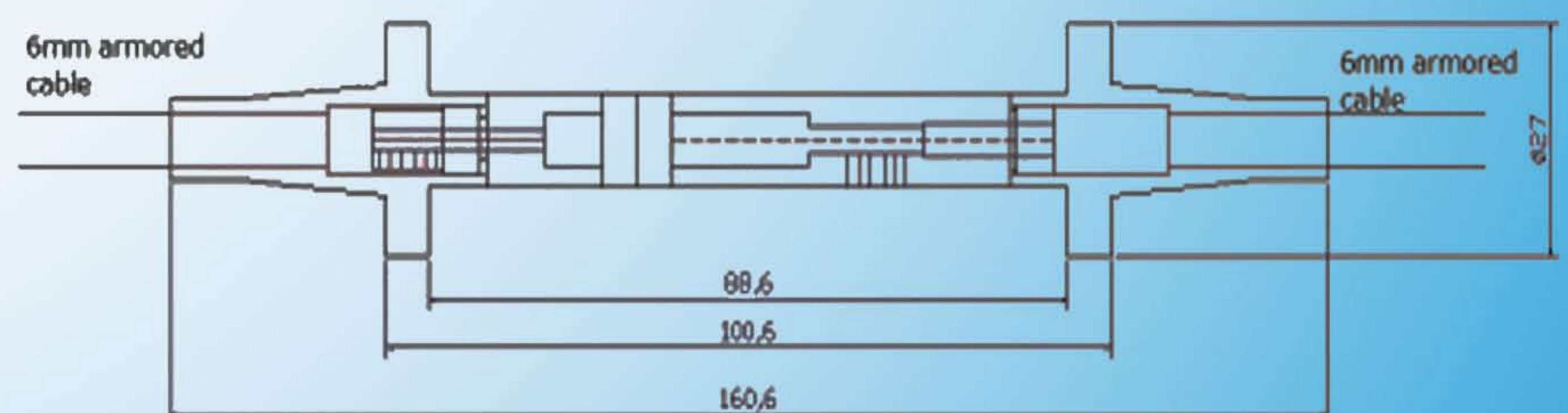
Embedded FBG Strain Sensor (Strain only)

- Center Wavelength: any wavelength between 1510 to 1590nm
- Standard strain range: +/-1500ue;
- Optional range: +/-3000ue, +/-1mm, +/-3mm , +/-5mm etc
- Resolution: 1ue;
- Installation: Embedded
- Dimension: 27x70mm
- Operating Temperature Range: -30 to 80 degC
- Pigtail: one end or both end
- Cable: armor cable (or 3mm jumper cable)
- Connector: FC/APC or FC/PC or other

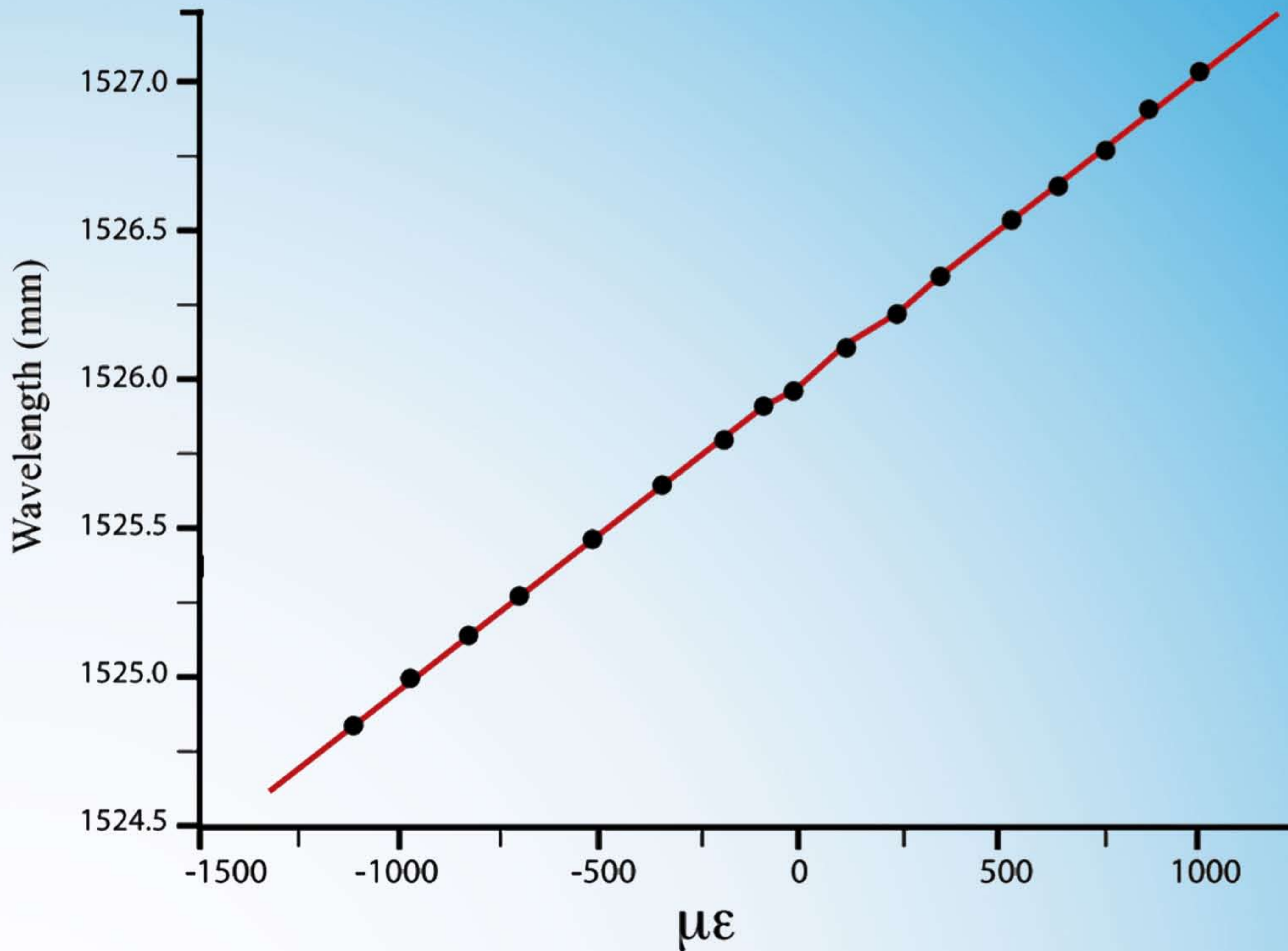


Embedded FBG Strain Sensor (with temperature compensation)

- Built-in 2 fbg inside, one for strain measurement, another for temperature compensation)
- Dimension: 27x100mm



Typical Calibration Curve



Ordering Code

