

## P02 FBG Pressure Sensor

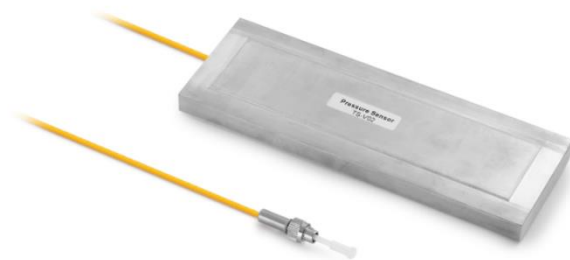
### Description

The pressure of transformer winding has an important influence on the short-circuit capacity of transformer. Maintaining a constant pressure helps to improve the short-circuit withstand capacity of the transformer. We provide a fiber Bragg grating pressure sensor, which not only can monitor the pressure on the line, but also can be used as a weighing sensor to measure the object.

Fiber Bragg grating pressure sensor can monitor the winding compression force and the operation of transformer during oil injection. It has the advantages of safety, stability and high precision. It provides support for the design, manufacture and process improvement of transformer.

### Features

- Good anti-electromagnetic interference ability
- Good insulation
- No calibration required
- Easy installation



### Specification

| Parameters            | Unit | Specification          |
|-----------------------|------|------------------------|
| Wavelength            | nm   | 1525~1565              |
| Measuring Range       | kN   | 0~70                   |
| Resolution            | -    | 5% F.S.                |
| Operating Temperature | °C   | -40 ~ +120             |
| Packaging Material    | -    | Titanium alloy (TC4)   |
| Connector Type        | -    | FC/APC                 |
| Dimension             | mm   | 175 x 60 x 11          |
| Weight                | g    | 450                    |
| Installation Position | -    | Transformer shoe press |