



## Features

- Ceramic capacitor sensing element  
high overload capacity and excellent temperature adaptability
- Small size, high stability
- Wide temperature range
- Low cost, high performance



## Introduction

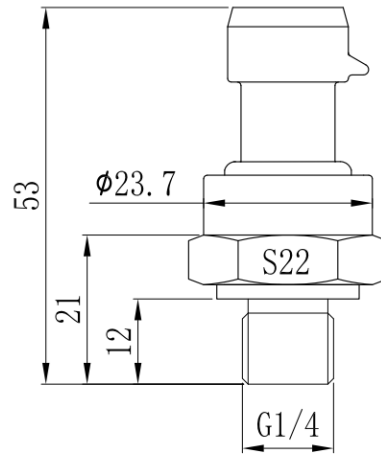
This Transmitter uses ceramic capacitor pressure sensing element with corrosion resistance and excellent temperature adaptability. It uses a low-power high-performance MCU to collect and convert the pressure signal into a standard output signal. This Model has wide temperature range, high quality, small size, easy installation, low cost, and high performance features. It is widely used in the measurement of fluid medium pressure in fire fighting, water treatment, water supply systems, air compressors, pneumatic devices, industrial automation, automobile cooling systems, and A/C conditioning cooling systems.

## Technical Parameters

|                          |  |                                    |
|--------------------------|--|------------------------------------|
| Pressure Range           | 0~3...50 Bar   |                                    |
| Overload Pressure        | 1.5 times the rated pressure   |                                    |
| Breakdown Pressure       | 2 times the rated pressure   |                                    |
| Accuracy                 | ±2%F.S   |                                    |
| Work Temperature         | -40~+120 °C  |                                    |
| Compensation Temperature | -40~+120 °C  |                                    |
| Testing Medium           | Gas or liquid compatible with ceramics, stainless steel, hydrogenated nitrile or fluorine rubber |                                    |
| Electrical properties    | 3-wire   |                                    |
| Output Signal            | 0.5~4.5V Proportional(Proportional output)   | 0.5~4.5V Absolute(Absolute output) |
| Power Supply             | 4.75~5.25VDC   | 5~15VDC                            |
| Electrical Connection    | Packard plug   |                                    |
| Case Protection Level    | IP65   |                                    |
| Pressure Connection      | G1/4   |                                    |
| Pressure Type            | Gauge Pressure G   |                                    |
| Certification            | RoHS, EU Electrical Safety Standards(CE)   |                                    |



## Dimension



## Electrical Connection

| Output Type    | Drawing | Pin | Voltage Type 3-Wire |       |
|----------------|---------|-----|---------------------|-------|
|                |         |     | Function            | Color |
| 3-Core Packard |         | A   | Power-/Signal-      | Black |
|                |         | B   | Power +             | Red   |
|                |         | C   | Signal +            | Green |

## Model Selection Instruction

| Spec Code and Definition |              |   |   |   |   |                |         |    |         | Remark                   |                       |
|--------------------------|--------------|---|---|---|---|----------------|---------|----|---------|--------------------------|-----------------------|
| LFT2070                  |              |   |   |   |   |                |         |    |         | Model                    |                       |
| Range                    | 0~3...50 Bar |   |   |   |   |                |         |    |         | Measurement Range        |                       |
|                          | V5A          | V5A = 0.5~4.5V (3-Wire) (Absolute voltage output)     |   |   |   |                |         |    |         | Output Type              |                       |
|                          | V5P          | V5P = 0.5~4.5V (3-Wire) (Proportional voltage output) |   |   |   |                |         |    |         |                          |                       |
|                          | K            | K = KPa   |   |   |   | P              | P = Psi |    |         |                          | Measurement Unit      |
|                          | M            | M = MPa   |   |   |   | B              | B = Bar |    |         |                          |                       |
|                          | 2            | 2= 2%F.S  |   |   |   |                |         |    |         |                          | Accuracy              |
|                          | P            | P = Packard (Packard Plug)                            |   |   |   |                |         |    |         |                          | Electrical Connection |
|                          | G1           | G1= G1/4<br>G2 = G1/2                                 |   |   |   |                |         |    |         | Pressure Connection      |                       |
|                          | 1            | 1.0 = 1m  |   |   |   |                |         |    |         |                          | Outlet Cable Length   |
|                          | 2            | 2.0 = 2m  |   |   |   |                |         |    |         |                          |                       |
|                          | T            | Default: 25 °C  |   |   |   | T0= -40~120 °C |         |    |         | Compensation Temperature |                       |
| LFT2070                  | 0-50         | V5A   | B | 2 | P | G1             | 1.0     | T0 | Example |                          |                       |