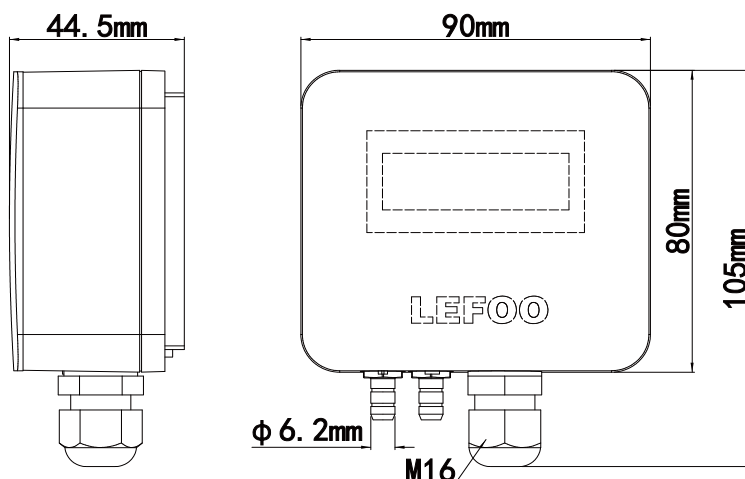


# LFM11Series

## Differential Pressure transmitter



LFM11 series differential pressure transmitter adopts high-precision MEMS sensor, digital pressure acquisition and temperature compensation method, it has the characteristics of sensitive pressure response, long-term stable output, and excellent temperature performance, it can detect positive pressure, negative pressure or differential pressure. It is widely used in the monitoring of air or neutral gas. Various pressure units can be set inside, and range switching can be performed on site. It can be used for differential pressure detection in applications such as fans, blowers, filters, furnace ventilation, purification workshops, nuclide inspection booths and building ventilation.

Dimension in : mm

### LFM11 Series Order Ref NO

LFM110 - N - A - C

A B C D

| A Span           | B Display         | C Output                                  | D Accuracy |
|------------------|-------------------|-------------------------------------------|------------|
| 0=-1000~1000Pa   | O=with display    | A=4~20mA and 0~10VDC(Simultaneous output) | ±1.0%FS    |
| 2=-10000~10000Pa | N=without display | B=4~20mA(2-wired)(No backlight )          |            |
| 6=-100~100Pa     |                   | C=0~10VDC(3-wired)                        |            |
|                  |                   | D=0~5VDC(3-wired)                         |            |
|                  |                   | E=RS-485 communication                    |            |
|                  |                   | F=0~10VDC&RS485                           |            |

### Specification

| General                       | Value                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Testing Medium                | Air or neutral gas                                                                                                    |
| Pressure Range                | ±100Pa, ±1000Pa, ±10000Pa                                                                                             |
| Overload Pressure             | 5kPa(LFM116); 10kPa(LFM110); 80kPa(LFM112)                                                                            |
| Accuracy                      | ±1%F.S                                                                                                                |
| Working Temp                  | -10°C~60°C                                                                                                            |
| Compensation Temp             | -10°C~60°C                                                                                                            |
| Pressure Connection           | Metal barbed connection, Φ6.2 mm                                                                                      |
| Electrical Connection         | 2-wired 4~20mA (No backlight display) 3-wired 0~5V 0~10V 4-wired Rs485 5-wired 0~10VDC Rs485 6-wired 4~20mA 0~5/10VDC |
| Power Supply                  | 12~30VDC 16~30VDC 12~30VDC 16~30VDC 16~30VDC                                                                          |
| Power Consumption             | ≤1.5W                                                                                                                 |
| Shell Material                | UL94-V0/ABS industrial plastic                                                                                        |
| Communication                 | RS-485 Standard interface, Modbus RTU protocol                                                                        |
| Certification                 | RoHS Certification, CE certification                                                                                  |
| Electromagnetic Compatibility | EN 61326-1                                                                                                            |
| Display Mode                  | LCD Backlight digital display                                                                                         |
| Weight                        | 166g                                                                                                                  |