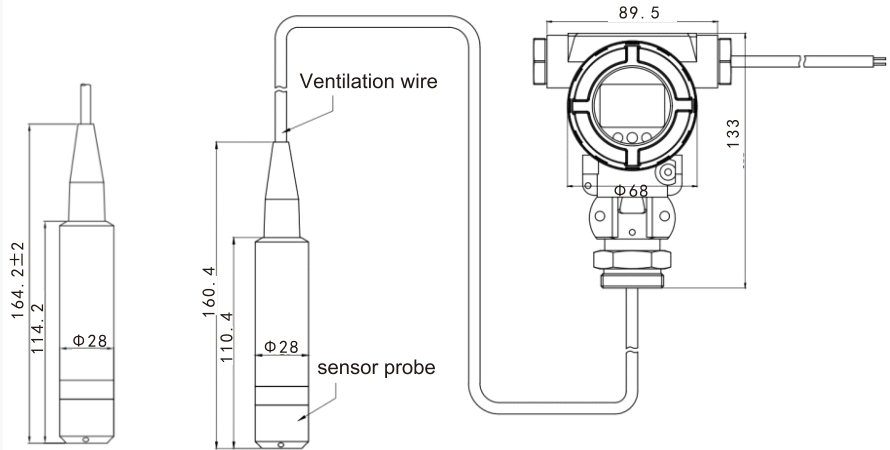


## LFT3000

Liquid level  
pressure transmitter



LFT3000 liquid transmitter uses a high-performance pressure sensor as the measuring element to accurately measure the liquid level depth and convert it into a standard output signal through a special signal conditioning circuit to establish a linear correspondence between the output signal and the liquid depth, to achieve accurate measurement of liquid depth. The product has high precision, small size and convenient use. It can measure the liquid level height from the end of the transmitter to the liquid surface when it is directly put into the liquid. It is suitable for water level or liquid level measurement and control in the fields of petroleum, chemical industry, power plant, urban water supply, and hydrological exploration

Dimension in : mm

### LFT3000 Order Ref No

LFT3000 0-200 A4 M 0.5 M N 1.0

A B C D E F G

| A Range                      | B Output Mode           | C Measurement Unit | D Accuracy Grade | E Electrical Connection | F Display Mode                     | G Cable Length |
|------------------------------|-------------------------|--------------------|------------------|-------------------------|------------------------------------|----------------|
| 0~0.5...200mH <sub>2</sub> O | A4 = 4~20mA(2-wired)    | M=Meter            | 0.5 = 0.5%F.S    | M = Cable Outlet        | N=Without display                  | 1.0 = 1m       |
|                              | V05 = 0.5~4.5V(3-wired) | CM = Centimeter    |                  |                         | D2=Explosion-proof digital display | 2.0 = 2m       |
|                              | V0 = 0~5V(3-wired)      |                    |                  |                         |                                    |                |
|                              | V10 = 0~10V(3-wired)    |                    |                  |                         |                                    |                |
|                              | RS =RS-485              |                    |                  |                         |                                    |                |

### Specification

| General                                                         | Value                                                                                     |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Measurement Range                                               | 0~0.5...200mH <sub>2</sub> O                                                              |
| Overload Pressure                                               | 1.5 times of rated pressure                                                               |
| Accuracy <sup>①</sup>                                           | ±0.5%F.S                                                                                  |
| Stability                                                       | <0.5%F.S/year                                                                             |
| Working Temp                                                    | -20~85°C                                                                                  |
| Storage Temp                                                    | -40~100°C                                                                                 |
| Measured Medium                                                 | Liquid compatible with 304/316L stainless steel, PEPVC, Fluorine rubber or Nitrile rubber |
| Throw-in type Liquid Level Pressure Transmitter                 |                                                                                           |
| Electrical Performance                                          | 2-wired                                                                                   |
| Output Signal                                                   | 4~20mA                                                                                    |
| Power Supply                                                    | 8~36VDC                                                                                   |
| Digital display throw-in type liquid level pressure transmitter |                                                                                           |
| Electrical Performance                                          | 2-wired                                                                                   |
| Output Signal                                                   | 4~20mA                                                                                    |
| Power Supply                                                    | 10~30VDC                                                                                  |
| Electrical Connection                                           | cable outlet                                                                              |
| Pressure Connection                                             | Throw-in type                                                                             |
| Enclosure Protection                                            | Ip68                                                                                      |
| Pressure Form                                                   | Gauge Pressure G                                                                          |
| Certification                                                   | Safety explosion-proof type E, ROHS, EU electrical safety standards CE                    |

①Measured at 25°C with combined accuracy of linearity, repeatability and hysteresis.