



Recorder



Flow



Pressure



Temp



Analyzer



Level

# Datasheet

## Level & Temperature transmitter

### SIN-P260-M4

# **Sinomeasure**

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## Datasheet

The transmitter integrates Level and temperature measurement, is applied to fluid depth measurement at industrial areas, transfers measured depth value to standard signal such as (4~20)mA / (0 ~ 5)V/ RS485. The products with carefully designed, component screening, process verification and curing, cyclic loading and aging, environmental simulation testing and other processes to ensure that each product is stable and reliable. It matches various instruments, and is widely used in transportation, oil, chemical, metallurgical, light industry and other fields.

### Application

- Deep well and borehole measurements
- Level measurement in open bodies of water
- Sewage lift and pumping stations
- Settling ponds and rainwater basins
- Ground water monitoring
- Drinking water system
- Vessel and storage systems
- Overfilling and no-load operation monitoring
- Level measurement in rivers and lakes

### Features

- Slender design
- Level & Temperature 2 in 1
- Durable 316 SS construction for reliable, long life in harsh environments
- good long term stability
- Diaphragm is protected from physical damage and turbulence
- Excellent chemical compatibility for wide application use
- Ingress protection up to IP 68
- Optional cases



**Submersible level transmitter**

**Parameter**
**Relative pressure**

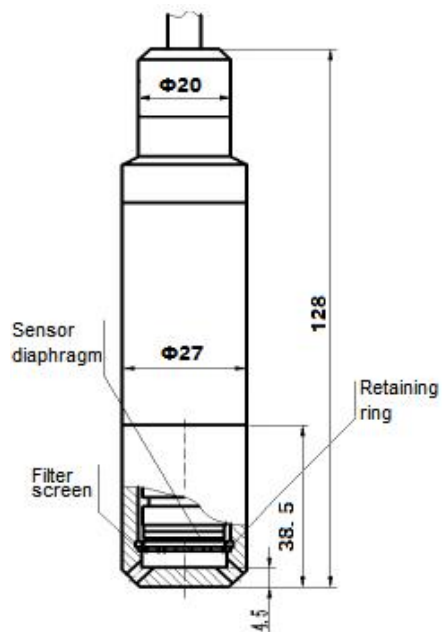
|      |          |         |         |          |          |          |        |          |
|------|----------|---------|---------|----------|----------|----------|--------|----------|
| bar  | 0...0.25 | 0...0.4 | 0...0.6 | 0...1    | 0...1.6  | 0...2.5  | 0...4  | 0...5    |
| mH2O | 0...2.5  | 0...4   | 0...6   | 0...10   | 0...16   | 0...25   | 0...40 | 0...50   |
| psi  | 0...3.6  | 0...5.8 | 0...7.8 | 0...14.5 | 0...23.2 | 0...36.2 | 0...58 | 0...72.5 |

The given measuring ranges are also available in mbar, kPa and MPa.

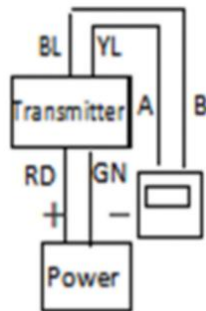
**Parameter**

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Measure range                 | Level: (0~100) m<br>Temperature : (0~50) °C |
| Accuracy                      | Temperature :1.5%FS<br>Level:0.5%FS         |
| Stability                     | ±0.2%FS/Year                                |
| Zero temperature drift        | ±0.05%FS/°C                                 |
| Sensitivity temperature drift | ±0.05%FS/°C                                 |
| Compensation temperature      | 0~50°C                                      |
| Medium temperature            | -20~65°C                                    |
| Supply                        | 12~30VDC                                    |
| Output                        | RS485                                       |
| Load resistance               | Current mode: ≤ (U-12) /0.02(Ω)             |
| Ingress Protection            | IP68                                        |

**Dimension**



**Wiring diagrams**



RS485 output:

Red:Vcc+

Green:Vcc-

Yellow:TX(A)

Blue:RX(B)

Black:Shield Wire

## Ordering code

| SIN-P260-M4-03-A1-M3-1-20-N9                                        |    |   |   |    |    |   |   |   |   |   |   |   | Description        |
|---------------------------------------------------------------------|----|---|---|----|----|---|---|---|---|---|---|---|--------------------|
| SIN-P260-M4                                                         | -  | - | - | -  | -  | - | - | - | - | - | - | - |                    |
| Measurement Range                                                   | 01 |   |   |    |    |   |   |   |   |   |   |   | 1m                 |
|                                                                     | 02 |   |   |    |    |   |   |   |   |   |   |   | 2m                 |
|                                                                     | 03 |   |   |    |    |   |   |   |   |   |   |   | 3m                 |
|                                                                     | 05 |   |   |    |    |   |   |   |   |   |   |   | 5m                 |
|                                                                     | 07 |   |   |    |    |   |   |   |   |   |   |   | 7m                 |
|                                                                     | 10 |   |   |    |    |   |   |   |   |   |   |   | 10m                |
|                                                                     | 20 |   |   |    |    |   |   |   |   |   |   |   | 20m                |
|                                                                     | 50 |   |   |    |    |   |   |   |   |   |   |   | 50m                |
|                                                                     | 1H |   |   |    |    |   |   |   |   |   |   |   | 100m               |
|                                                                     | XX |   |   |    |    |   |   |   |   |   |   |   | Other              |
| Output and Power Supply                                             | A1 |   |   |    |    |   |   |   |   |   |   |   | Two-wire 4-20mA    |
|                                                                     | R2 |   |   |    |    |   |   |   |   |   |   |   | RS485,24VDC        |
|                                                                     | XX |   |   |    |    |   |   |   |   |   |   |   | Other              |
| Diaphragm Material                                                  | M3 |   |   |    |    |   |   |   |   |   |   |   | SS316L             |
|                                                                     | XX |   |   |    |    |   |   |   |   |   |   |   | Other              |
| Probe Material and Ingress Protection                               |    |   |   | 1  |    |   |   |   |   |   |   |   | 304SS,IP68         |
|                                                                     |    |   |   | 2  |    |   |   |   |   |   |   |   | SS316L,IP68        |
|                                                                     |    |   |   | X  |    |   |   |   |   |   |   |   | Other              |
| Cable Length<br>(Recommended cable length $\geq$ measurement range) |    |   |   | 05 |    |   |   |   |   |   |   |   | 5m                 |
|                                                                     |    |   |   | 10 |    |   |   |   |   |   |   |   | 10m                |
|                                                                     |    |   |   | 20 |    |   |   |   |   |   |   |   | 20m                |
|                                                                     |    |   |   | 50 |    |   |   |   |   |   |   |   | 50m                |
|                                                                     |    |   |   | 1H |    |   |   |   |   |   |   |   | 100m               |
|                                                                     |    |   |   | XX |    |   |   |   |   |   |   |   | Other              |
| Cable Sheath Material                                               |    |   |   |    | N9 |   |   |   |   |   |   |   | Polyvinyl Chloride |
|                                                                     |    |   |   |    | N2 |   |   |   |   |   |   |   | Polyurethane       |
|                                                                     |    |   |   |    | XX |   |   |   |   |   |   |   | Other              |

Note: Only one of communication and Signal output can be selected

Accessories

Data logger



Panel meter



Panel meter

