

# YT-98H-NH3 ONLINE GAS DETECTOR

Product Model: YT-98H-NH3

YT-98H-NH3 series is a fixed gas detector with built-in pump. It can detect 1-6 kinds of gases simultaneously and continuously. With IECEx, ATEX certificate (on-going) and non-contact magnetic wand design, it can be installed and operated in hazardous areas. It supports 3-wire 4-20-mA, HART, RS485 Modbus relay output, making it compatible with most control systems. With optional wireless data transmission so user can view real time data on laptop, mobile phone remotely.



## High accuracy & Reliable

Specialized in gas detection for 15 years, using world first brand sensors, high precision, the detection result is approved by the third testing organization.

## With internal suction pump, fast response

Up to 6 kinds of gases can be detected at the same time. In complex and multi-gas environments, multiple installations can be reduced, saving time and effort.

## 2.4-inch industrial-grade high-definition color screen

With a resolution of 320\*240 and a wide viewing angle of 120 degrees

#### **With wireless module**

Data can be uploaded to the cloud platform, environmental protection bureau or other platforms, providing SMS reminder function, the transmission signal is not limited by distance, and can be viewed in real time on mobile phones and computers. (optional)

#### **With full software**

Automatic verification function and zero calibration function, making gas monitoring more accurate and more reliable

#### **Signals transmission**

Standard 4-20mA current signal, RS485 modbus signal, 1 set of relay signal output

#### **High quality case**

Die-cast aluminum case, strong and durable; Stainless steel case is available for choose, meeting the demand of different situations.

IP66 protection degree, water-proof, dust-proof, explosion-proof

#### **With sound and light alarm function**

There is sound and light alarm when reaching the alarm point.(optional)

#### **Industry**

**Application:** Petrochemical & Chemical Industry, Municipal Engineering & Utilities, Agricultural & Environmental Protection, Electronic, Food & Pharmaceutical Industry, Other Industries

## **Specification**

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| <b>Detected Gas</b>   | NH3/Ammonia                                          |
| <b>Measure Range</b>  | 0-100ppm、 0-500ppm                                   |
| <b>Install Method</b> | Wall-mounted, piping type, flow-type                 |
| <b>Output signal</b>  | 4-20mA, 1-5V, 2-10V, RS485, RS232, relays (optional) |
| <b>Precision</b>      | ≤±3%F.S. (higher precision is available)             |
| <b>Zero shift</b>     | ≤±1% (F.S./year)                                     |
| <b>Display</b>        | 2.4-inch color display, resolution 320*240           |

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| <b>Connection mode</b>      | G1/2 external thread explosion-proof flexible pipe                               |
| <b>Thread Size</b>          | M45*2mm                                                                          |
| <b>Temperature</b>          | -10℃～55℃                                                                         |
| <b>Humidity</b>             | 0-95%RH (non-condensing)                                                         |
| <b>Explosion-Proof</b>      | Ex db IIC Gb                                                                     |
| <b>Degree of protection</b> | IP66                                                                             |
| <b>Material</b>             | Case: Die-cast aluminum<br>Sensor housing: aluminum alloy or 316 stainless steel |
| <b>Power</b>                | 12-36V DC                                                                        |
| <b>Dimensions</b>           | 286*202*96mm (H x W x D)                                                         |
| <b>Weight</b>               | 3.4kg (3.8kg with alarm light)                                                   |
| <b>Approval</b>             | CE, CNEX explosion proof certificate, IECEx, ATEX                                |
| <b>Warranty</b>             | 12 months                                                                        |