



Gas	Value	Unit
CO	0	ppm
H2S	0.00	ppm
O2	20.93	%
EX	0	%LEL
CO2	450	ppm
VOC	0.00	ppm

● P ● AL ● AH ● F

# YT-98H/YT-98H-A

## Fixed Gas Detector

### Product overview

YT-98H-D/YT-98H-D-A series is a fixed single & multi gas detector. It is able detect 1-6 kinds of gases simultaneously and continuously. With IECEx, ATEX certified and non-contact magnetic wand design, it can be installed and operated in hazardous areas. It supports 3-wire 4-20mA, RS485 Modbus, relay and optional Hart signal 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.



YT-98H-A with display and alarm light

YT-98H with display

### Product Advantage

- Up to 6 kinds of gases can be detected simultaneously. In complex and multi-gas environments, it is able to saving installation 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 communicate function, uploading data to cloud platform so user is able to check and download data remotely. There is also SMS and E-mail alarm alert function in real time.(optional)
- With manually span and zero calibration function, making gas monitoring more accurate and more reliable.
- Standard 4-20mA analog signal, RS485 modbus signal and relay signal output, optional HART output.
- Standard infrared remote control, optional non-contact magnetic wand control.
- With sound and light alarm function, there is sound and light alarm when reaching the alarm point.(optional)
- With fault alarm, will send alarm when sensor disconnect.
- IP66 protection grade, water proof and dust proof

### Technical parameters

<b>Gas Detected:</b>	VOC, O2, LEL, Toxic gases, etc
<b>Detection Principle:</b>	PID, Electrochemical, IR, catalytic combustion, etc
<b>Measure range:</b>	To be specified
<b>Resolution:</b>	To be specified
<b>Accuracy:</b>	≤ ± 2%FS (depending on the specific sensor)
<b>Response time(T90):</b>	20s(depending on the specific sensor)
<b>Repeatability:</b>	≤ ± 1%
<b>Pump flow:</b>	0.5 L/Min
<b>Zero shift:</b>	≤ ± 1% ( F.S./year )
<b>Display:</b>	2.4-inch color display, resolution 320*240
<b>Display content:</b>	gas molecular formula, concentration, unit, pump status, etc
<b>Alarm(Optional):</b>	buzzer, alarm status prompt on the display screen, high and low alarm values can be set by customer
<b>Language:</b>	Chinese and English
<b>Communication and data download:</b>	With PC software, history data can be downloaded, stored, printed, and analyzed in computer (optional)
<b>Temperature:</b>	- 10℃ ~ 55℃
<b>Humidity:</b>	0-95%RH(nocondensation)
<b>Case:</b>	Die-cast aluminum
<b>Power:</b>	12-24V DC
<b>Dimensions:</b>	286*202*96mm (H x W x D)
<b>Weight:</b>	3.4kg (3.8kg with alarm light)
<b>Explosionproof grade:</b>	Ex d IIC T6 Gb