

SYNERGY TECHNOLOGIES

TXP 170 PORTABLE SINGLE GAS DETECTOR



Features

- Advanced MCU control with low power consumption;
- Low and high alarm level;
- Adjustable calibrating level;
- Excessive high concentration protection function;
- High concentration protection for combustible gas;
- Self test for the combustible gas sensor;
- Low battery indication;
- Replaceable sensor module;
- Visual and audible alarm with vibration;
- Password management to avoid wrong operation;
- Explosive proof housing

Model	Range	L-alarm range	H-alarm range	L-alarm	H-alarm	TWA	STEL
TXP170-CH ₄	0-100%LEL	10%LEL-25%LEL	25%LEL-80%LEL	20%LEL	50%LEL		
TXP170-C ₃ H ₈	0-100%LEL	10%LEL-25%LEL	25%LEL-80%LEL	20%LEL	50%LEL		
TXP170-H ₂	0-100%LEL	10%LEL-25%LEL	25%LEL-80%LEL	20%LEL	50%LEL		
TXP170-H ₂	0-1000ppm	20ppm-150ppm	150ppm-500ppm	35ppm	250ppm		
TXP170-H ₂ S	0-100ppm	5ppm-15ppm	15ppm-30ppm	10ppm	15ppm	10ppm	15ppm
TXP170-CO	0-1000ppm	25ppm-100ppm	100ppm-500ppm	35ppm	200ppm	35ppm	200ppm
TXP170-CO	0-2000ppm	25ppm-100ppm	100ppm-500ppm	35ppm	200ppm	35ppm	200ppm
TXP170-O ₂	0-30%vol	16%vol-19.5%vol	22.5%vol-24%vol	19.5%vol	23.5%vol		
TXP170-C ₂ H ₅ OH	0-100%LEL	10%LEL-25%LEL	25%LEL-80%LEL	20%LEL	50%LEL		
TXP170-NH ₃	0-100ppm	20ppm-30ppm	30ppm-70ppm	25ppm	50ppm	25ppm	35ppm
TXP170-CL ₂	0-20ppm	3ppm-10ppm	5ppm-15ppm	5ppm	10ppm	0.5ppm	1.0ppm
TXP170-SO ₂	0-100ppm	1ppm-3ppm	3ppm-10ppm	2ppm	5ppm	2ppm	5ppm

Specifications

- Gas like ammonia, NO, PH₃, NH₃, NO₂, HCN, SO₂ etc also available, Can be specified by the Customer in advance.
- Accuracy: $\leq \pm 5\%$ F.S. Response time: T<30s
- Indication of alarm, fault and low voltage with LED, sound, vibration
- Operating temperature -40°C to 70°C (for combustible gas)
- Operating temperature: -20°C to 50°C (for toxic gas)
- Humidity: <90%RH non-condensing
- Operating voltage: DC3.6V Li battery 1200mAh
- Working time: Combustible gas: > 8h continuously Toxic gas: >300h continuously
- Charging time: 4h~6h
- Sensor life: 1 years Protection category: IP65
- Weight: about 130g (including battery but without accessories)
- Dimension: 110mm×60mm×40mm

TXP 172 PORTABLE SINGLE GAS DETECTOR WITH BUILT IN PUMP



Features

- Advanced 16 digit MCU control, Large LCD display
- Built-in pump to sampling, could sample test from long distance.
- Supply time and remain battery level display.
- Replaceable sensor module
- 2000 pieces records, including peak value, type, could auto cover when it full.
- Could connect with computer and output data, and analyses the results.
- Power on and self-test function, sensor, visible, audio and vibration information
- Password management and password validation for important operation

Specifications

- Safe degree: Intrinsically safe
- Sampling: pump sampling
- Sensor: Catalytic or electrochemical
- Gas: Combustible or toxic gas
- Response time: T<30s

- Operating Temperature -40°C~70°C for combustible gas;
- Temperature -20°C~50°C for toxic gas;
- Humidity: <90%RH non-condensing
- Protection category: IP65
- Battery: DC3.7V, 2.1AH, Li battery;
- Working time: 8 hours continuously for catalytic gas sensor; 48hours continuously for electrochemical gas sensor

Model	Gas	Range	TWA alarm	STEL alarm	Low alarm	High alarm
TXP172-CH ₄	CH ₄	0-100%LEL	-----	-----	20%LEL	50%LEL
TXP172-C ₃ H ₈	C ₃ H ₈	0-100%LEL	-----	-----	20%LEL	50%LEL
TXP172-H ₂	H ₂	0-100%LEL	-----	-----	20%LEL	50%LEL
TXP172-H ₂ S	H ₂ S	0-100ppm	10ppm	15ppm	10ppm	15ppm
TXP172-CO	CO	0-1000ppm	35ppm	200ppm	35ppm	200ppm
TXP172-O ₂	O ₂	0-30%vol	-----	-----	19.5%vol	23.5%vol
Model	Permit set range L	Permit set range H				
TXP172-CH ₄	10%LEL~25%LEL	25%LEL~80%LEL				
TXP172-C ₃ H ₈	10%LEL~25%LEL	25%LEL~80%LEL				
TXP172-H ₂	10%LEL~25%LEL	25%LEL~80%LEL				
TXP172-H ₂ S	5ppm~15ppm	15ppm~25ppm				
TXP172-CO	25ppm~100ppm	100ppm~500ppm				
TXP172-O ₂	16%vol~19.5%vol	22.5vol~24%vol				