GAXCE SENSORS (OPC) PRIVATE LIMITED

CORPORATE IDENTIFICATION NUMBER : U34100PN20180PC177305



Description:

OC-300 air quality detector used to detect the air quality for the 4 particle channels: 0.5um, 1.0um, 2.5um and 10um, with two detection mode: Quality inspection (unit of the ug/m3) and Quantity inspection (unit of the PC/L) Also, with the Temperature and Humidity measurement, optional function of the gas concentration detection, it can add 3 sensors. for gas detection. It is with the data logger function to record the historic inspection data.

Applications:

The Portable air quality detector can be widely used in the disease control centre, health. supervision, environmental monitoring, public area, family and other environment were need to detect the air quality detection.

Features:

Semiconductor technology of ultra-low power 32-bit microprocessor, 24-bit ADC acquisition chip, so with the high accuracy.

3.5-inch IPS industrial grade colour screen, displaying each parameter.

Channel sizes : 0.5um, 1.0um, 2.5um, 10um.

Support the Temperature/ Humidity sensor.

Different mode adjustable: quantity detecting mode and quality detecting mode.

Data logger function, the capacity is 100000 group data.

Optional function of micro printer to print the measurement data.

With the function of overvoltage protection, overcharge protection, short circuit protection.

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ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen	Technical Parameter:	
Particle size 0.5um \$1.0um \$2.5um, 10um Measuring range 0-9999ug/m3 and 0-99999999PC/L Resolution 1ug/m3 and 1PC/L Gas detection With 1~3 gas type(Optional) Tem/Humidity inspection Temperature: -40 ~ 120°C, Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Light source	Laser diode(>100,000 hours MTBF)
Measuring range 0-9999ug/m3 and 0-99999999PC/L Resolution 1ug/m3 and 1PC/L Gas detection With 1~3 gas type(Optional) Tem/Humidity inspection Temperature: -40 ~ 120°C, Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Sensor	Ultra high sensitivity optical sensor
Resolution 1ug/m3 and 1PC/L Gas detection With 1~3 gas type(Optional) Tem/Humidity inspection Temperature: -40 ~ 120°C, Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Particle size	0.5um 、1.0um、2.5um、10um
Gas detection With 1~3 gas type(Optional) Tem/Humidity inspection Temperature: -40 ~ 120°C, Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Measuring range	0-9999ug/m3 and 0-99999999PC/L
Tem/Humidity inspection Temperature: -40 ~ 120℃, Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45℃ Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Resolution	1ug/m3 and 1PC/L
Humidity: 0-100%RH Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Gas detection	With 1~3 gas type(Optional)
Verification standard According to GB/T16292-1996 and ISO14644-1 Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Tem/Humidity inspection	
Flow Rate 2.83 L /min (0.1cfm) Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply Protection grade Exia ∏ CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Verification standard	· · · · · · · · · · · · · · · · · · ·
Sample time 30s Measuring mode Quantity mode (unit of PC/L) and quality mode(unit of ug/m3) Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45 °C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Flow Rate	
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Detect methods Time detecting or circle detection is adjustable Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Measuring mode	Quantity mode (unit of PC/L) and quality mode(unit of
Interface RS232-USB Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)		ug/m3)
Data Storage function Real-time storage or timing storage is adjustable; Storage capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Detect methods	Time detecting or circle detection is adjustable
capacity of 100000 group data, can check the history data on the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Interface	RS232-USB
the counter screen Print mode Optional micro-printer, can reset the print period and print mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Data Storage function	Real-time storage or timing storage is adjustable; Storage
mode Working environment Working temperature: 5 ~ 45°C Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)		
Working humidity: ≤90%RH, non-condensing Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Print mode	Optional micro-printer, can reset the print period and print mode
Power supply 4000mA rechargeable lithium battery Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Working environment	Working temperature: 5 ~ 45°C
Explosion-Proof grade Exia II CT4 Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)		Working humidity: ≤90%RH, non-condensing
Protection grade IP65 Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Power supply	4000mA rechargeable lithium battery
Body material ABS+PC Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	Explosion-Proof grade	Exia II CT4
Size and Weight 220*85*55 mm (L×W×H) , 0.5 Kg (net weight)	-	
		ABS+PC
Accessory Box, data cable, Charger, CD	Size and Weight	
	Accessory	Box, data cable, Charger, CD

Technical Parameter: