

RK300-07 NH<sub>3</sub> Concentration Sensor is composed of three electrode electro-chemical sensor and high performance microprocessor, the built-in temperature sensor for temperature compensation, can accurately measure the ammonia concentration environment, perfect combination of electro-chemical sensors and transmitting circuit is satisfying for ammonia concentration detection.

## FEATURES

- High Sensitivity
- Fast response
- Low consumption
- Excellent stability
- Long service life



## APPLICATIONS

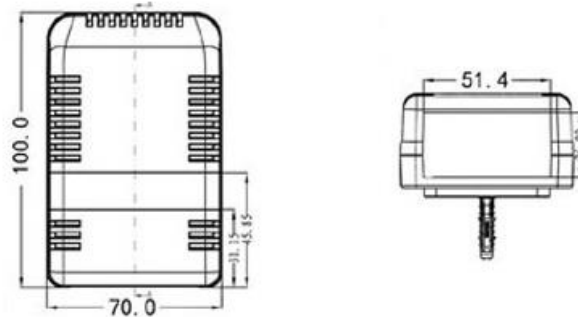
- Air quality monitoring
- Smart home
- Warehousing
- Public place
- Green house
- Animal husbandry

## TECHNICAL SPECIFICATION

Item	Technical Specification
Range(concentration)	0-100ppm
Accuracy	±3%FS@25°C
Resolution	0.01ppm
Supply	5VDC,12-24VDC
Output	4-20mA,0-5V,RS485
Power Consumption	<50mA@24V(4-20mA)
Response Time	<15s
Display	LED(optional)
Temperature Drift	≤0.2%FS/°C
Repeatability	<±1%FS
Operating Temperature	-20°C-+50°C@15-80%RH
Storage	-40-70°C@20%-90%RH
Dimension	110*70*40mm
Shell Material	ABS

**DIMENSION**

Unit:mm






**PARAMETER SELECTION TABLE**

Remark	Series	Type	Range	Supply	Output	Cable Length	
RK							
	300						
		07					
			A				0-100ppm
			X				Other
				A			5V
				B			12-24V
				X			Other
					A		4-20mA
					B		0-5V
					C		0-10V
					D		RS485
					X		Other
						2000	Units:mm(typ)
						3000	Units:mm
						...	Units:mm

Example: RK300-07ABA2000 0-100ppm, Supply:12-24V, Output:4-20mA, Cable Length:2m.

**CE** Complies with applicable CE directives.  
 Specifications subject to change without notice. Version 3.0  
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