RK300-19 CH$_4$ Sensor

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RK300-19 CH$_4$ sensor adopts the catalytic combustion principle and has a built-in high-sensitivity

probe. It has the characteristics of high accuracy, good linearity, and easy installation.

It is widely used in industrial plant, traffic tunnel, coal mine shaft, dig working face, dye stuff plant,

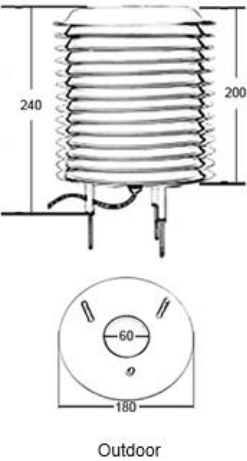warehouse storage, chemical plant, etc

FEATURES

- High sensitivity
- Fast response
- High precision, wide measuring range
- Effective resistance to water vapor
- Excellent stability
- Easy installation

SPECIFICATIONS

Item	Specification
Measuring range	0-100%LEL
Principle	Electrochemistry
Supply	Mark on the label
Resolution	1%LEL
Accuracy	±3%FS
Response time	≤30S
Output	RS485
Power consumption	≤0.2W
Operating temperature	-20 - +50℃
Relative humidity	10-95%RH（No condensation）
Shell Material	ABS

DIMENSION

Outdoor

ELECTRICAL CONNECTIONS

Connector（cable）	RS485
Red	V+
Black	V-
Yellow	485A
Green	485B

Note: This product has been tested and complies with European CE requirements for EMC directive.

Communication Protocol（**MODBUS**）

MODBUS-RTU, **Baud rate:**9600bps,**Data bits:**8,**Stop bit:**1,**Check bit:** no

Slave address:the factory default is 01H (set according to the need,00H to EFH)

● **The 03H Function Code Example: Read The** CH_4 Sensor

Host Scan Order(Slave addr:0x01):

01 03 00 00 00 01 840A

Slave Response:

01 03 02 00 1C B98D

CH_4:(00 1C)H=(28)D=28%LEL

● **The 06H Function Code Example: Modify the slave address(write address must be 01H ,fixed**

command,ensure that no other devices on the bus)

Host Scan Order (Changed to 02H):

01 06 00 30 00 02 0804

Slave Response:

01 06 00 30 00 02 0804

$C\,E$ Complies with applicable CE directives.

Manual subject to change without notice. Version 1.0

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