



Carbon Dioxide Transmitter FM-CDT-A100

Overview

Carbon Dioxide Transmitter FM-CDT-A100 measures CO₂ concentration from 0 to 1000 ppm accurately. It utilizes an NDIR dual-beam technology for high stability and minimal drift. Its clear display screen and indicator lights provide real-time concentration readings. Our Carbon Dioxide Transmitter is ideal for precise CO₂ concentration monitoring in diverse environments.

Specifications :

Measuring range	0 to 10000 ppm
Measurement period	2s
Measurement accuracy	– (50 ppm+3% reading value)
Sensing element	NDIR
Display screen	Keep the power on and the screen will turn on
Resolution	1 ppm
Indicator light	Keep power on , it will be solid red
Transfer protocol	RS485 serial port, standard Modbus RTU
Transmission rate	4800bps/9600bps
Transmission distance	The standard maximum transmission distance is about 1200 meters (depending on the use environment, transmission material and transmission rate)
Number of theoretical nodes	32
Operating temperature range	0 to 50 oC
Storage temperature	-20 to 60 oC
Operating humidity range	0 to 95 %
Storage humidity	0 to 95 %
Supply voltage	DC 5 to 36 V
Dimension (L×B×H)	109×67×40 mm
Weight	150g

Features :

- Compact and lightweight
- High sensitivity detection
- Strong anti-interference capability
- Standard Modbus-RTU support
- Long operational lifespan

Applications :

Fison s Carbon Dioxide Transmitter is designed for indoor air quality monitoring, greenhouse farms, HVAC systems to maintain optimal environmental conditions.