

**Description & Features:**

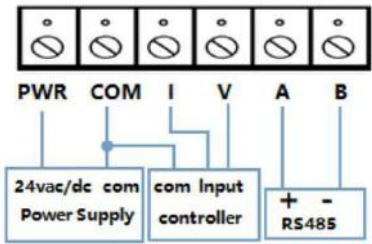
- WCO1 Series carbon monoxide transmitter incorporates high-precision electrochemical sensor elements, with high-performance digital technology
- WCO1 offers high accuracy and good long-term stability
- Large LCD display, analog or RS485 output are available
- Measurement accuracy and consistency < 5%
- Complete protection against overvoltage, reverse polarity and EMC interference
- Customization available for dedicated installations and private labelling
- 5 year warranty

Applications:

- WCO1 is widely used in the measurement and control of CO concentrations in various facilities and locations
- Widely used in intelligent HVAC systems in modern buildings, control cabinets, machinery & equipment, train stations, subways, airports, schools and other places
- The product is widely used in HVAC control systems of various types in commercial and government buildings as well as manufacturing and processing facilities

Technical Parameters	
Sensing Elements	Environmentally friendly amperometric gas
Measuring Range	0-100PPM or 0-400PPM (standard)
Accuracy	< 5%
Warm-up Time	≤ 180s
Response Time	T90 ≤ 60 s
Operating Temperature	-10/60°C (10/140°F) & 0-95%RH, non-condensing
Storage Temperature	-20/80°C (-4/176°F) & 0-95%RH, without condensation
Installation Height	1.2-1.8m / 47"-71" (above ground level)
Power Supply	24V AC/DC
Output Signal	4/20mA, 0/10V, RS485 (Modbus RTU)
Display Type	LCD optional
IP Rating	IP30 (Indoor type), IP65 (Ventilation type)
Housing Material	Fireproof ABS + PC
Housing (fire) Rating	V-0 Refer to UL94 standard
Electromagnetic Compatibility	EMC reference GB/T 13926, EN61000-6-2, EN61000-6-3
Product Certification	CE

Wiring Instructions

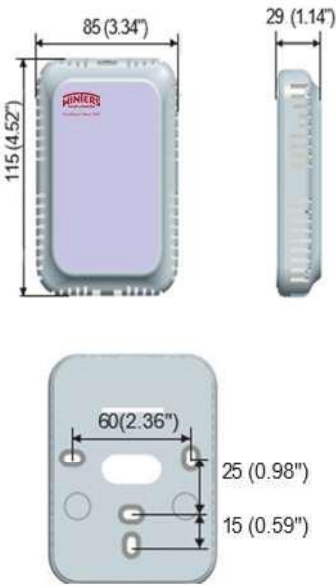


Terminal No.	Definition
1	PWR
2	COM
3	I
4	V
5	A
6	B

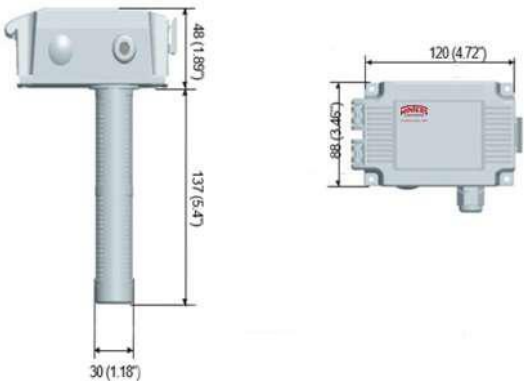
Illustrate
Power, positive
Power, negative (common ter
4-20mA current output+
0-10V voltage output+
RS485 Output+
RS485 output -

Dimensions (mm)

Wall mount



Duct mount



Selection Table

WC01 - Indoor & Ventillation Carbon Monoxide Transmitter

Description	Technical parameters						
Power supply	24 Vac/Vdc	4					
Output signal	4/20 mA		1				
	0/10 V		3				
	RS485		R				
Measuring range	0-100 PPM			1			
	0-400 PPM (standard)			2			
	Other ranges			D			
Mounting Type	Wall Mounting Type				W1		
	Ventillation Mounting, 137mm (5.4") stem insertion				V1		
LCD	Without LCD display					-	
	LCD display included					L	
Customization	Special types, labelling etc						Z###

Note: The conventional measurement range of CO1 concentration is 0-400PPM.
If other concentration ranges are required, please contact WINTERS
Integrated models are also available incorporating CO, CO2, PM2.5, PM10, TVOC & CH2O

Concentration unit and conversion: (volume concentration)
Volume concentration: The volume of the measured gas per cubic meter of atmosphere (cubic centimeters), such as (cm3/m3 or ml/m3), the commonly used unit is PPM
1PPM = 1 cubic centimeter/cubic meter
Unit conversion: 1PPM = 1000 PPB = 1000000 PPT