

## SEM226C Tunnel Visibility Detector

### MAIN FEATURES

- Visibility (VI), carbon monoxide (CO), nitrogen oxides (NOX) can be measured simultaneously or separately
- Infrared laser continuous monitoring, high-resolution visibility measurement, optional optical calibration and calibration module;
- Specially designed for unattended interiors of tunnels and tunnels;
- Low installation, startup and maintenance costs;
- Pollution compensation and fault alarm functions ensure a longer maintenance cycle;
- A variety of output methods, data collection is convenient;



### OVERVIEW

SEM226C Tunnel Visibility Detector is an integrated detector of visibility and harmful gases specially designed and manufactured for tunnels and pipe galleries. It is well known that tunnels and pipe corridors are special tubular structures. Due to the small space and the characteristics of airtightness, the internal harmful gases and dust particles are not discharged in a timely and reasonable manner, resulting in the accumulation of harmful suspended particles such as CO and dust. It will be directly related to the personal safety of vehicle drivers and pipeline maintenance staff passing through the tunnel. SEM226C series is designed to collect VI/CO data online and provide it to the safety supervision department to provide decision-making basis for tunnel ventilation and pipe gallery environmental safety.

### SPECIFICATION

Measuring range	VI (Visibility): 20-6000m
	K (light reduction value): 0--35X10 <sup>-3</sup> 1/m.
	CO: 0-500PPM ; NOx: 0-10 ppm ; CH4: 0-100% (optional)
Working environment	Temperature: -20...+55 C ; Humidity: 10... 100 %
Signal output	Digital output: RS485/RS232; Analog output: 4 channels 4- 20mA
Communication protocol	Modbus RTU
Output mode	RS485 output, Dry contact pulse output
Switch output	4 relay contacts (48V DC, 0.5 A, 24W)
Power and Power Consumption	85-305VAC/100-430VDC ; 47-63Hz / MAX60W (including heating)
Dimensions and weight	320* 290*180mm/less than 2.2kg
Installation method	wall mount

### OUTLINE CONSTRUCTION

