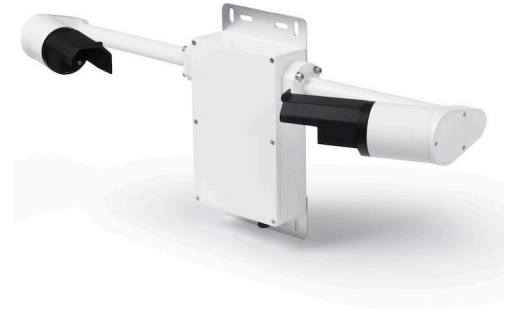## SEM226VP Visibility Meter

MAIN FEATURES

- Especially built for Traffic Applications
- 10m to 10km measurement range(can extend to 100km)
- Ideal for road long distance visibility data collection
- Accurate and traceable measurement
- High mechanical strength
- Low maintenance requirement
- Simple Installation and Maintenance
- Compact forward design
- Not affected by local lights
- Easily installed by one person
- Hood heating for use in extreme environments

OVERVIEW

SEM226VP Visibility detector measures atmospheric visibility by determining the amount of light scattered by different particles (smoke, dust, haze, fog, rain or snow) in the air that pass through the optical sample volume.

SPECIFICATION

Visibility measurement	
Measuring principle	Forward Scattering Method with 39° to 51° angle
Measuring range	10m-10Km (expandable to 100Km).
Measurement accuracy	±10%
Output	
Baud rate	9600
Serial output	RS485/RS232
Protocol	ModBus and ASCII
Ambient	
Operating temperature	-40°C to +60°C
Operating humidity	0 – 100% RH
Protection rating	IP65
Power	
Power supply	DC12-24V
Power consumption	3.8W
Physical	
Material	Powder coated Hard-Anodized aluminium
Weight	3.2 Kg
Dimensions	706x250x170mm
Lifetime	>10 Years

DIMENSION

146

250

173

706

252

92
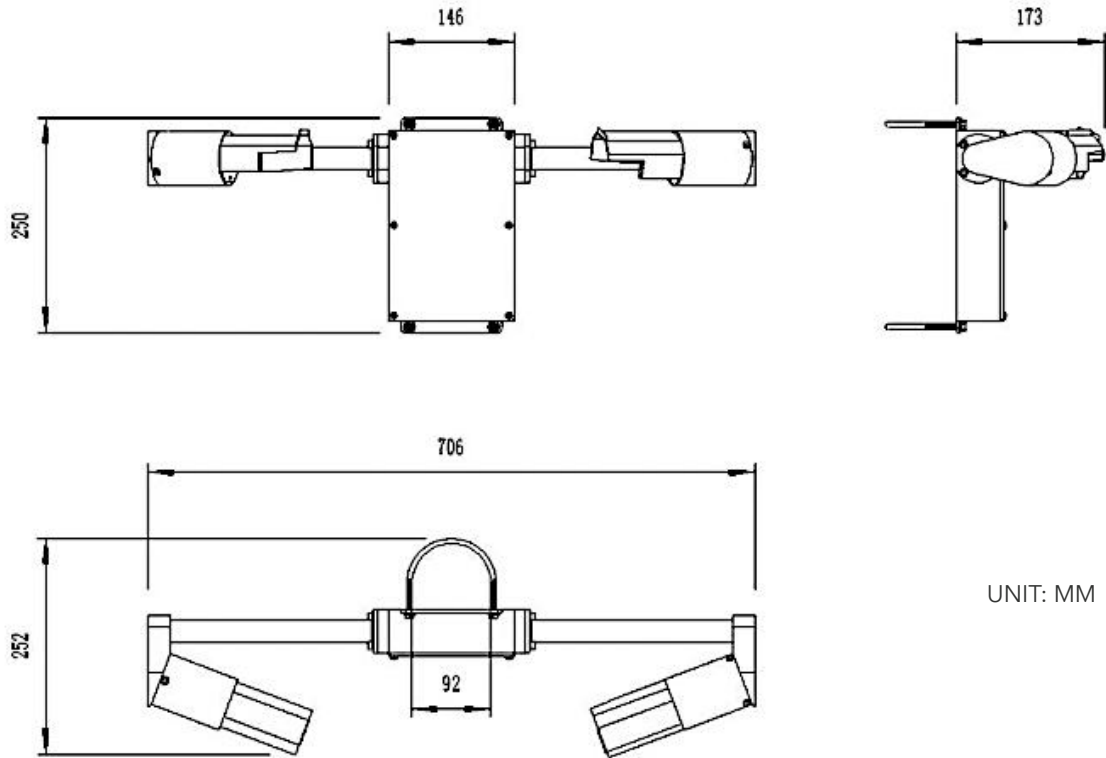
UNIT: MM

APPLICATION

The forward scatter measurement principle and unique design ensure the output is both accurate and reliable in all weather conditions and will not be influenced by local lights sources, even those that flash.

With a measurement range of 10m to 10km the sensor is suitable for use in road and aviation constructed from robust aluminum and finished with a high quality powder coat, the sensor will provide years of reliable service. Heating of the optical windows and sensor hoods is provided as standard allowing use in the harshest of conditions. Both optical windows are monitored for contamination and the visibility output is automatically compensated to reduce maintenance requirement.