

Portable Visibility Meter

»Product Introduction

The HY-SLV5E Portable Visibility Meter utilizes an optical forward-scattering detection principle. Equipped with a sealed air sampling chamber and an intake air channel, it ensures real-time air exchange with the outside environment and is unaffected by external conditions or installation orientation. It can measure visibility both outdoors and in confined indoor spaces.

The instrument is equipped with a touchscreen display that shows visibility readings and trend curves in real time. It features a built-in 4G wireless data transmission module, allowing users to view data in real time via a mobile app and to monitor and store data on an IoT cloud server platform.

It features a rechargeable lithium-ion battery module and is suitable for portable field measurements.





»Technical Indicators

Product	HY-SLV5E	HY-SLV5-2E
Measurement Range		Visibility (MOR): 20–6000 m
Operating Range		Temp: -40–80 °C; Humidity: 10–100 %RH
Digital Output		Wired Output: RS485/RS232; Wireless Transmission: 4G Mobile (Optional)
Data Storage		Internal: TF card; IoT cloud server (optional)
Data Display		7-inch touchscreen display; mobile app and IoT client display (optional)
Power		Rechargeable lithium-ion battery (over 12 hours of continuous operation) / Power adapter
Size/Weight	310 × 235 × 183.5 mm / 9.8 kg (Includes a tripod)	420 × 330 × 230 mm / 8.5 kg (No tripod)
Material	Stainless Steel + Powder Coating	Specialized PP Alloy Resin Protective Instrument Case

»Applications

- Visibility Monitoring Indoors and in Confined Spaces
- Field Inspections and Emergency Response
- Portable or Tripod-Mounted Environmental Measurements

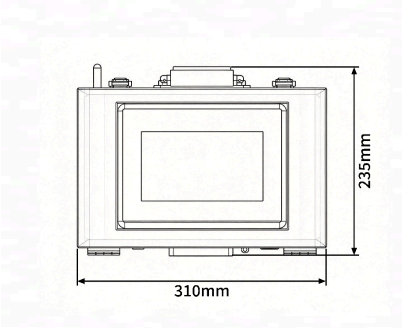


»Key Features

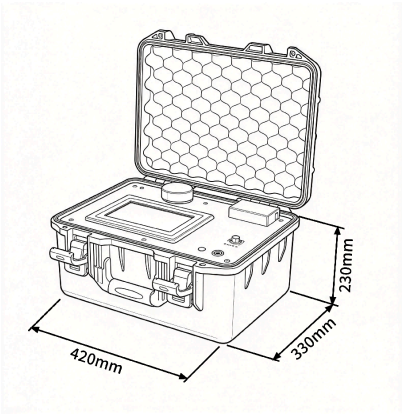
- Can be used to check visibility indoors and in any confined space
- Highly integrated, requires no calibration or debugging, and is ready to use as soon as it is powered on
- Built-in rechargeable lithium-ion battery, ideal for field inspections
- 7-inch touchscreen display with real-time data and graph display
- Built-in 4G wireless transmission module that enables real-time connectivity with apps and the Internet of Things
- Can be used for portable testing or mounted on a tripod for operation
- Equipped with a dedicated protective equipment case for easy portability and safety



»Product Showcase



HY-SLV5E



HY-SLV5-2E

