

# Outdoor Surveying



## Wind speed and direction indicators

### Wind Speed

Measuring Range: 0-30m/s

Starting Wind Speed: 0.8m/s

Accuracy:  $\pm(0.3 + 0.03v)$ m/s ( $v$ =wind speed)

Displays: Instantaneous/average wind speed, wind scale & corresponding wave height

Resolution: 0.1m/s (speed), 1 (scale), 0.1m (wave)

### Wind Direction

Measuring Range: 0-360° (16 positions)

Starting Wind Speed: 1.0m/s

Accuracy:  $\pm 1/2$  position

Positioning: Automatic

### Environment

Operating Temp: -10°C~45°C

Humidity: 100% RH (non-condensing)

### Power & Size

Power Supply: 3V (2.68-3.4V), 5 batteries

Dimensions: 410×100×100mm

Weight: 0.5kg

## Solar height meter

This instrument consists of a protractor, measuring frame, plumb line, base and other components, with all parts stably installed on the integrated base.

It supports two core experiments: observing the variation of the solar altitude angle at different times of the day, and recording the changes of the solar angle throughout the year.

It is a professional teaching tool for astronomical and geographical observation experiments.





## Sunshine meter

Recording Time Range: 5:00 AM - 7:00 PM

Measuring Range: 0° - 60°

Time Error:  $\pm 3$  minutes

## Projecting movable celestial map

This device is designed to demonstrate and study the diurnal rotation of the celestial sphere. Its movable star map can be projected onto a screen, clearly displaying the visible starry sky at specific time periods. The map covers all constellations in the Northern and equatorial sky regions, including bright star clusters, nebulae, double stars and variable stars, serving as a professional tool for astronomical teaching and research.



## Constellation lens

This constellation camera is factory-calibrated for the Northern Hemisphere (latitude 40°-50°).

For observations outside this latitude range, you can replace the latitude circle: remove the star cylinder to access the latitude circle, detach the 40°-50° circle, replace it with your target latitude circle and reassemble.

Product size: 21x6.5x6.5cm.