



Kipp & Zonen LAS MkII Scintillometer

Product #:

0371900

USD Price:

Contact Hach

Easy to use and with real-time data directly from the display. The LAS MkII measures atmospheric turbulence and can derive sensible heat fluxes over distances from 100 m to 4.5 km.

Stand alone operation

Carrying instruments around for field deployment is already labour intensive enough, without having to think about laptops, interface cables and software. The LAS MkII can be installed and configured using its built-in display and key-pad without the need for any extra equipment.

Easy integration

A digital interface allows remote real-time display and full control over the instrument operational settings. Analogue outputs are also available enabling connection of the instrument to virtually any data acquisition system. This allows for easy integration into new or existing measurement networks.

Built-in datalogger

The LAS MkII receiver has internal digital processing unit automatically computes all relevant parameters, such as C_n^2 and the sensible heat flux. Real-time data is available on the display so you will know the status of your experiment in seconds. The built-in data logger stores several months of measurements and results.

Optional microwave scintillometer

A combination with a microwave scintillometer is possible to add both sensible heat flux and latent heat flux

Specifications

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|--------------------------------|---|
| Control and Display: | Integrated display and key-pad or remote via digital interface |
| Data Processing: | Internal processing of C_n^2 , sensible heat flux and other parameters. Built-in data logger. GPS time. |
| Digital Outputs: | RS232/485 |
| Display: | Yes |
| Interface: | Digital RS-232/422, analog output 0 - 2.4 V |
| Internet Application Software: | EVATION® (instrument control and data analysis suite) |
| Material Enclosures: | Aluminum, anodised |
| Operating Temperature Range: | -4 - +122 °F |
| Operating voltage: | 12 VDC |
| Path Length: | 820 ft - 2.8 mi. (0.5 ft aperture); 328 ft - 0.6 mi. (0.3 ft aperture) |

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| Power Requirements (Voltage): | 12 VDC, 6W (54W with heaters on) |
| Scintillation Bandwidth: | 0.1 - 400 Hz |
| Temperature Compensation: | -40 - +70 °C |
| Wavelength: | 850 nm |