



Kipp & Zonen X-LAS MkII Scintillometer

Product #:

0371950

USD Price:

Contact Hach

Larger version of the LAS MkII, with a light weight carbon fibre housing. The X-LAS MkII measures atmospheric turbulence and can derive sensible heat fluxes over large distances from 1 to 12 km.

Easy installation

The X-LAS MkII can be installed and configured using its built-in display and key-pad without the need for any extra equipment, and features a light carbon fibre housing for easier transport. The carbon fibre also ensures a very stiff and temperature stable enclosure for the optics, ensuring accurate, long term data.

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.

Real-time data

The X-LAS MkII receiver's internal digital processing unit automatically computes all relevant parameters, such as Cn^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.

Specifications

Control and Display:	Integrated display and key-pad or remote via digital interface
Data Processing:	Internal processing of Cn^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:	0.6 - 7.5 mi. (12.9 in aperture)
Power Requirements (Voltage):	12 VDC, 6W (54W with heaters on)
Scintillation Bandwidth:	0.1 - 400 Hz

Temperature Compensation: -40 - +70 °C

Wavelength: 850 nm