

X-LAS



X-LAS has all the features of the LAS, but has much larger housings for the receiver and transmitter to provide a beam diameter of 30 cm. This allows measurement over longer distances, up to 8 km.

The X-LAS includes rugged transport cases for the transmitter and receiver.

Like the LAS, both transmitter and receiver operate from 12 VDC and the low power consumption makes them ideal for use with solar-charged battery power systems. The optical windows have built-in heaters that can be used to keep the outside surfaces clear of moisture and frost. The X-LAS is ideal for large-scale measurements, such as across valleys.

Specifications X-LAS

Path length	1 to 8 km
Aperture diameter	30 cm
Dimensions (LxWxH)	107 x 43 x 58 cm
Weight per transmitter/receiver	35 kg
Lens type	Fresnel
Wavelength	880 nm (pulsed)
Scintillation signal bandwidth	10 ⁻¹² to 10 ⁻¹⁷
Power supply	12 VDC 6 W (35 W with heater)
Pan and tilt adjustment	Built-in
Alignment telescopes	Factory adjusted
Software, Windows™	WINLAS for analysis and recorded LAS data (PC not included)

Article

Part number

X-LAS Extra Large Aperture Scintillometer

0357910

Accessories for X-LAS

Part number

POWERBOX X-LAS

0357701

For transmitter and receiver (one required for each)
Weatherproof heavy-duty AC-DC power supply unit for outdoor use
Wide AC input range, fully protected output 12 VDC at 3.5 A
Operating temperature range -20 °C to +50 °C
Pre-wired with 5 m cable and connector for X-LAS, 5 m AC power input cable and 10 m cable for X-LAS signal outputs

Tripod Floor Stand

0353710

For transmitter and receiver (one required for each)
For easy mounting and levelling of the X-LAS, height 0.45 m
Very stable and rugged. As used with Kipp & Zonen Brewer and 2AP Tracker

Height Extension Tube

0353750

Extends the tripod mounting height by 0.60 m to a total of 1.05 m

Re-calibration

0357720

Service and factory test, excluding any replacement parts needed