Plant Canopy analyzer TOP-1200

Features:

TOP-1200 Plant Canopy Analyzer is widely applied for farming production and agricultural research,canopy energy resource investigation, measure the light interception among plant canopy, and research the relation between plant growth & development, production quality and light utilization.

Characteristic:

◆ High waterproof grade: all aluminum alloy, waterproof grade IP67.

◆ Using visible/near-infrared light reflection spectrum technology and multi-channel spectral information scanning technology. The vegetation surface parameters, plant canopy information, plant nutrient information, soil nutrient information, environmental parameters,plant pests and diseases can be quickly determined.

◆ Many software analysis functions: it can analyze the vegetation index RVI,NDVI,nitrogen content in the crop leaf layer, nitrogen accumulation, LAI, leaf dry weight, etc.

Host function:

◆ With GPS positioning.

◆ With voice broadcast

Technical Parameter:

Working environment: 0~ 60 ℃, 0 ~ 100% RH (no condensation of water vapor)

Storage environment:-10 ~ 80℃, 0 ~ 40% RH

Power supply: 8 ~ 12VDC

Light Source: LED

NDVI Range： -1~1

LAI Range：＞0

Center Wavelength: 680nm, 800nm

Spectral bandwidth: <8nm FWHM

View angle: 30 °

Acquisition area: 0.23 ~ 0.38 ㎡

Channel: 2