



Solutions for the food industry

Optical sensing can help growers and horticulturists determine crop ripeness, measure chlorophyll and light levels, and assess reflectance of petals and leaves to gauge plant health. To guarantee the quality of food products for the end-user, quality control plays an important role. Optical sensing can be used to classify incoming feed, for online quality control and even for analysing oxygen levels inside closed packaging.

Applications

- » PAR measurements
- » Colour measurements
- » Crop growth analysis
- » Oxygen measurements
- » Determine Brix values
- » Fruit quality control
- » Sugar content analysis
- » Moisture content analysis
- » Food sorting

Advantages

- » Non-destructive analysis
- » Fast response times / real-time analysis
- » Reliable and accurate results
- » Custom configuration
- » Handheld version available for work in the field
- » Easily integrated into other systems

Some of our Products

Quality control with NIRQuest

Near infrared spectroscopy is a fast measurement method for sugar and moisture analyses. The NIRQuest spectrometer can measure up to 2500 nm and is an excellent sorting tool for quality grading of agricultural products.



PAR measurements with the Jaz light meter

The Jaz light meter is the universal light meter for monitoring natural and artificial light conditions in greenhouses. The Jaz light meter gives you the full spectral information, but can also report in key parameters like PAR, Lumen, Lux and colour temperature.

Oxygen measurements with NeoFox

NeoFox is a fluorescence-based optical sensor system that can be used to monitor oxygen. NeoFox has fast response times and does not consume oxygen. In agricultural applications, optical oxygen sensors are used for soil oxygenation analysis, water quality analysis and fermentation and climate control.



Crop analysis using the leaf clip and Jaz spectrometer

Measuring the transmission and reflection of petals and leaves can be used for chlorophyll quantification, colour measurements, health and stress indication and environmental studies.



Regional Headquarters
Maybachstrasse 11
73760 Ostfildern
Germany
T: +49 711 34 16 96-0
F: +49 711 34 16 96-85

Ocean Optics EMEA

Sales & Support Centre
Geograaf 24
6921 EW Duiven
The Netherlands
T: +31 26 3190500
F: +31 26 3190505

www.oceanoptics.eu

Local Sales Support
United Kingdom: +44 1865 263 180
Germany North: +49 513 697 467 05
Germany South: +49 711 341 696 0
France: +33 148 576 136
Austria: +43 226 220 673

info@oceanoptics.eu