



Consulting
& Training

Additives

Seed
Coating

Seed
Treatment
Equipment

CF Seed Sensor

The CF Seed Sensor is suitable for measurements of chlorophyll in seed samples. It is provided as a compact handheld device including an on-board sample holder.

This is the perfect tool for the determination of the ripeness of seeds to gain insight in storage strategies of seed lots. Additionally, the CF seed sensor could be used to monitor seed product on fields to determine a more optimal harvest moment in the field through the measurement of chlorophyll fluorescence and correlating the result to seed maturity.

The seed samples can be placed directly onto the seed sample holder or collected in specially supplied glass vials which fit into the sample holder for direct reading. Within seconds the results are processed. The addition of a USB cable and access to the software suite allows for the data to be downloaded to the users computer for later reference, visualizations or calculations.

The CF seed sensor is supplied in a kit which includes:

- The handheld CF Seed sensor
- USB Pro Cable (2,0m)
- Software (to be downloaded)



Product Specifications

Measuring range	0-10 mg/g
Temperature range	5 to + 45 °C
Accuracy at 0 - 1 mg/g	± 0.1 mg/g
Accuracy at 1 - 5 mg/g	± 0.2 mg/g
Accuracy at 5 - 20 mg/g	± 0.3 mg/g
Drift / Stability (operating frequency 0.1Hz)	≤ 0.1 % per month
Sample Time	≤ 2 sec
Connectivity	Handheld: USB serial interface
Digital:	USB serial interface
Analog	digital output / TTL serial port USB serial interface 4 – 20 mA output (4 wires) 12 – 24 V AC/DC Output signal USB serial interface port
Dimensions (l*b*h in mm)	169 * 62 * 25
Weight (g)	235
Housing material	Aluminium, with ABS covers
Electrical connections	Handheld/digital: USB port (5V, < 200 mA) Analog:12-24 V
Protection class	IP53
Battery Lifetime	48h at 5 sec interval - 2 weeks at 60 sec interval

The information given is believed to be accurate and is given in good faith but no representation or warranty as to its completeness or accuracy is made