CM-200 Product Spec.

CM-200 Coffee Roast Degree/Uniformity/Ground-Size Analyzer

Version 1.00

Why do you need a Coffee Roast degree Analyzer?

It is recommended to have a Coffee Roast degree Analyzer helping you classify roasting degree or the delta between whole bean and ground to get better understanding of the roasting curve and roasting result for better quality control to coffee roasting vendors, coffee shop owners or home roasters.

Why do you need to know how the uniformity is?

By comparing to the CM-100, the roast degree is averaged degree, even we can recognize there are some different roast color in the tray, but we have no idea how many they are, maybe 10%? 15%? What is the roast degree of the 10%/15%? The roast degree that CM-100 measured might be 70% darker roast + 30% lighter roast or 80% medium roast + 20% lighter roast. But what is the actual number?

Let CM-200 do this job for you!! CM-200 helps you to clarify what is the factor varies the cupping score, CM-200 helps you to exam your roast more precise!

Why do you need to know how the ground size is?

CM-200 can do ground size distribution analysis with its advanced coffee ground recognition technology, the ground size is the key factor of hand brewing, and this factor connects to grinder and the roasted beans. CM-200 is a useful tool for coffee enthusiast to have.

Features
1. **NIR photometer tells the caramelization from the coffee beans or ground.**
2. **CCD camera tells the roast uniformity from the coffee beans or ground**
3. **Advanced coffee ground recognition technology for ground size analysis**
4. Auto bean type recognition
5. High efficient ground coffee diffusor (for ground size analysis use)
6. Roast degree measuring range @ Agtron gourmet score : 5 ~ 140

7. No warming up is needed	
8. Long battery working hour (up to 8 hours of continuous use)	
9. Support using while battery charging	
10. Support Auto-power off setting	
11. Stores up to 100 measurement results	
12. Supports measurement results output to PC	
13. Supports both SCAA and Common name	
14. Supports Sieve type or metric ground size	
15. Support average ground size distribution feature	

Product Specification	
Working hour	8 Hours
Housing Material	ABS + Aluminum
Product Size	L: 137 mm W: 95 mm H: 95 mm
Weight (main unit)	328 g
Measure area	72 cm^2
Panel size	2.8" TFT Colorful Panel
Light	Infra-red LED & Visible LED
Sensor	Infra-red Sensor
Camera	High Resolution CCD Camera
Operating temp.	0-50 degree C
Storage temperature	-10 – 60 degree C
Power consumption	< 5 W
Charging Power	5V, 2A
Charging hour	6 Hours

Charging method	microUSB Port
Log output	microUSB Cable
Battery capacity	Li-ion 2300 mAh Battery
Mobile carry case	Aluminum Hard Case

Product design and produced by Lighttells Corp. Ltd.   http://www.lighttells.com