

Ideal for Preharvest Ripeness Judgement & Postharvest Quality Inspection



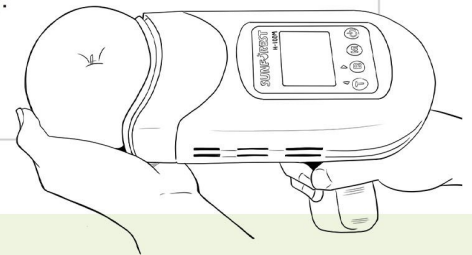
AVOCADO DM METER

SUNFOREST
H-100C

Non-destructive On-Orchard
Dry Matter Monitoring of
'Hass' Avocado

SUNFOREST H-100C Avocado DM Meter

- Trusted by thousands of clients in fruit industry, the 'SUNFOREST H-100C' has been proved to be a reliable instrument for determining and tracking Dry Matter on batches of 'Hass' avocado.
- The SUNFOREST H-100C can be used by growers and industry technical reps to independently and non-destructively monitor 'Hass' avocado Dry Matter on-orchard throughout the season.
- It could allow growers and packhouses to determine when to submit samples for maturity clearance testing.
- It may also be used for independent research/investigation of trials involving fruit quality.
- It could provide very simple and rapid bulk Dry Matter testing.
- It could replace existing destructive monitoring tools.



Bluetooth Interfacing to Mobile Device for Result Visualization



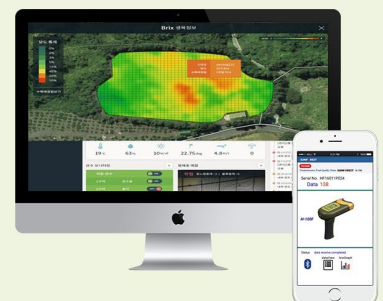
RFID



H-100C



Bluetooth



Specifications

Sensor Type	Enhanced CMOS Spectrometer (640-1050nm)
Spectral Resolution	20nm (FWHM) max.
Spectral Sample Size	2.3nm
Light Source	Halogen lamp
Measurement Range	14-40% Dry Matter, Validated with NZ Hass
Measurement Speed	~2.0 sec.
Data Interface	USB C-type / Bluetooth 4.0 BLE (Smartphone)
Display	TN LCD (45x30mm)
Battery Life	3000+ measurements
Battery & Power Source	Rechargeable Li-Ion Battery 3500mA, 12VDC/3.0A
Operating Environment Temp.	5~45°C, 85% RH
Measurement & Weight	110x192x172mm(WXLXH), 440g
Other Supplies	Compatible with RFID tag Smartphone App (Android and iOS) CE, FCC certified



Product
SUNFOREST H-100C

Applications

- Tracking/ monitoring of Dry Matter throughout the season
- Investigations on effect of location and orientation of fruit on tree
- Dry Matter variability in tree location on orchard (spatial) or trees with different age or health
- Which orchard management methods may affect Dry Matter on an orchard
- Pre-maturity clearance screening



GPS-it Mobile App

Interfaced with H-100C via Bluetooth, Landkind Mobile App displays measurement data to smartphone and into cloud storage. Visualized measurement data presented on orchard map indicates DM values along the path of samplings.

(Landkind App is applicable in New Zealand only.)

www.landkind.com



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