

26012

Mango Quality Meter

Information

Using NIR technology, the Mango Quality Meter precisely and non-destructively measures dry matter and Brix, the mango's key quality and ripeness indicators. This enables growers to accurately predict crop harvest dates, reduce guesswork and minimize spoilage, while increasing harvest predictability.

Model built with Tommy K, Ataulfo (also known as Champagne, Honey or Adolfo), Kent, Calypso, Keitt, and Honey Gold varieties

Technical Specifications

Technical data:

- Spectrometer: Hamamatsu C11708MA
- Range: 640-1050 nm
- Spectral Sample Size: 2.3 nm
- Spectral Resolution: 20 nm (FWHM) maximum
- Light Source: Halogen Tungsten Lamp with gold reflector
- Lens: Fused silica coated to enhance NIR
- Shutter: White painted reference standard
- Display: Sunlight visible transfective LCD screen with backlight
- PC Interface: Wi-Fi
- Data Recorded: Raw data, reflectance, absorbance, first derivative second derivative, GPS coordinates, Date, Time
- Measurement: Dry matter & Brix
- Power Source: Removable 3400 milliamp hour lithium-ion batteries
- Battery Life: 500+ measurements
- Body: Heavy-duty powder coated aluminum body
- Dimensions: 180 x 135 x 55 mm
- Weight: 1.05 kg

Item-No.: 26012 – Food-Scanner F-751-Mango