



- Remove guesswork and accurately predict crop harvest dates.
- Reduce waste and cut crop spoilage.
- Easy, out-of-the-box operation.

Using state-of-the-art NIR (near infrared) technology, the F-751 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 their crop harvest dates, reducing guesswork and minimizing 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.

Specifications

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:	7.1" x 4.75"W x 1.75" thick
Weight:	1.05 kg