



# MANGO QUALITY M E T E R

- *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 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. Trusted by thousands of universities, research institutes and commercial producers worldwide, Felix Instruments now brings the power and utility of NIR technology to the mango industry.

## FRUITMAPS

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[WWW.FELIXINSTRUMENTS.COM](http://WWW.FELIXINSTRUMENTS.COM)





# SPECIFICATIONS

<b>Spectrometer</b>	Hamamatsu C11708MA	<b>Display</b>	Sunlight visible LCD screen w/ backlight
<b>Range</b>	640-1050 nm	<b>PC Interface</b>	Wi-Fi
<b>Spectral Sample Size</b>	2.3 nm	<b>Data Recorded</b>	Raw data, reflectance, absorbance, 1 <sup>st</sup> derivative, 2 <sup>nd</sup> derivative, GPS, date, time
<b>Spectral Resolution</b>	20 nm (FWHM) maximum	<b>Measurement</b>	Dry matter & Brix
<b>Light Source</b>	Halogen Tungsten Lamp	<b>Power Source</b>	Removable 3400 milliamp hour lithium-ion batteries
<b>Lens</b>	Fused silica coated to enhance NIR	<b>Battery Life</b>	500+ measurements
<b>Shutter</b>	White painted reference standard	<b>Body</b>	Heavy-duty aluminum body
		<b>Dimensions</b>	7.1" x 4.75"W, 1.75" thick
		<b>Weight</b>	1.05 kg



## THE POWER TO PREDICT

Paired with the revolutionary crop mapping software, Fruitmaps®, the Mango Quality Meter is a game-changer for the mango industry. Using a wi-fi connection, gathered data can be seamlessly uploaded to the cloud giving mango growers the power to forecast harvest timing more accurately than ever before. In addition, the Mango Quality Meter gives QA professionals the ability to assess mango quality while in storage and retail outlets the capacity to accurately inspect product. Visit our website to learn more at [www.felixinstruments.com](http://www.felixinstruments.com).

FRUITMAPS 



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