



TABLE GRAPE QUALITY METER

The F-751 Grape Quality Meter precisely and non-destructively measures **Brix, pH, and titratable acidity**, which are key indicators of table grape quality and ripeness. Utilizing near-infrared (NIR) technology, the F-751 enables users to accurately assess the readiness for harvest and evaluate grape quality on the spot.

Trusted by thousands of universities, research institutes, and commercial producers worldwide, Felix Instruments now brings the power of NIR technology to the table grape industry.

FRUITMAPS 

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SPECIFICATIONS

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

MEASUREMENT RANGES

	Brix	pH	TA
Red Table Grapes	3.8° - 30°	3.0 - 4.7	0.1 - 1.6g/100ml
Black Table Grapes	9.2° - 26.3°	2.6 - 4.4	0.1 - 2.4g/100ml
Green Table Grapes	4.7° - 27.3°	2.9 - 4.3	0.1 - 1.7g/100ml
Juice Grapes	11.5° - 18°	2.7 - 3.2	0.9 - 1.7g/100ml

Models validated on the following grape varieties:

Red Table Grapes: Allison, Flame Seedless, Holiday, Krissy, Ruby Rush, Scarlet Royal, Sweet Celebration, Timco

Green Table Grapes: Autumn Crisp, Autumn King, Great Green, Ivory, Pristine, Sugarone, Sweet Globe

Black Table Grapes: Autumn Royal, Jack Salute, Solbrio, Summer Royal

Juice Grapes: Concord

