

VEE GEE® Digital Refractometers

Model CDX-1

- **Exceptionally Small & Lightweight**
- **Wide Brix 0-60% Measuring Range**
- **Up To 100°C Sample Temperature**

VEE GEE® Model CDX-1 Digital Refractometer performs at the highest level available in a compact digital design. It's exceptionally simple to operate, exceptionally small and lightweight, and provides fast and accurate results for liquid solids testing.

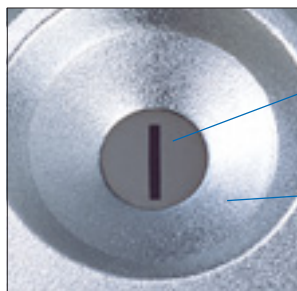
Easy to Use. Operation consists of placing 1 or 2 drops of a sample on the prism and pressing the READ key; within 2 seconds, the reading is shown on the large LCD display. Model CDX-1 easily calibrates with distilled water.

Automatic. The LED light source detects the refractive index (nD) of the sample, the thermo-sensor detects current prism temperature, the Brix value is calculated and quickly displayed on the LCD readout.

Durable. Model CDX-1 features rugged construction to provide years of reliable use. The waterproof (IP65)** design allows it to be used in humid or harsh conditions; the aluminum sample well w/ titanium coating stands up to even corrosive materials and allows samples to be easily wiped from the prism.

**An Ingress Protection (IP) Rating of 65 indicates the instrument is totally protected against dust ingress (dust tight); and is protected against low pressure water jets from any direction w/ limited immersion permitted.

Key Components



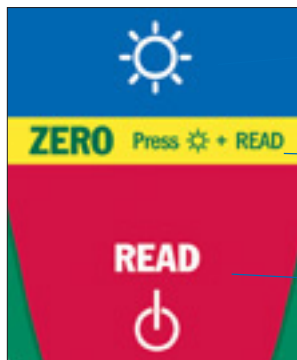
Optoelectronics. Optical glass prism with thermo-sensing unit detects current prism temperature at reading; the 1024 pixel linear sensor drives highly accurate results.

Sample Well. Aluminum w/ titanium coating allows all samples to be quickly removed and cleaned from the prism area.



Measurement Value. The large, easy to read, LCD digits display the Brix reading.

Battery Level. The current power level of the installed AAA batteries.



Backlight Key. Provides bright illumination to the LCD display when testing is conducted in darkened conditions.

Zero Setting. By simultaneously pressing the Backlight Key + the Read/Power Key, Model CDX-1 quickly and easily calibrates with distilled water.

Read/Power Key. Pressed to perform a reading. Also functions as the ON/OFF key.

COMPACT
Ergonomic Design



Compact & Portable. The very small size and battery power (AAA) of Model CDX-1 allows it to be used anywhere...the field, plant, or lab.

Professional Features. High-Resolution (1024 pixels) linear CMOS sensor; large LCD display w/ backlight; power auto-off function; battery-level indicator.

Efficient Power Capabilities. Will conduct up to 30,000 readings before batteries need to be replaced.

Dip Directly Into Solutions. The slender design and waterproof rating of Model CDX-1 allows it to be dipped directly into solutions (in beakers, vials, etc.) for quick readings.

Simple Cleanup. Can be washed under a faucet allowing the entire instrument to be kept very clean.

Hot Sample Testing. Measures samples with temperatures up to 100°C.

Automatic Temperature Compensation. Features a wide ATC range of 10-70°C, allowing Model CDX-1 to be used in exceptionally hot environments.

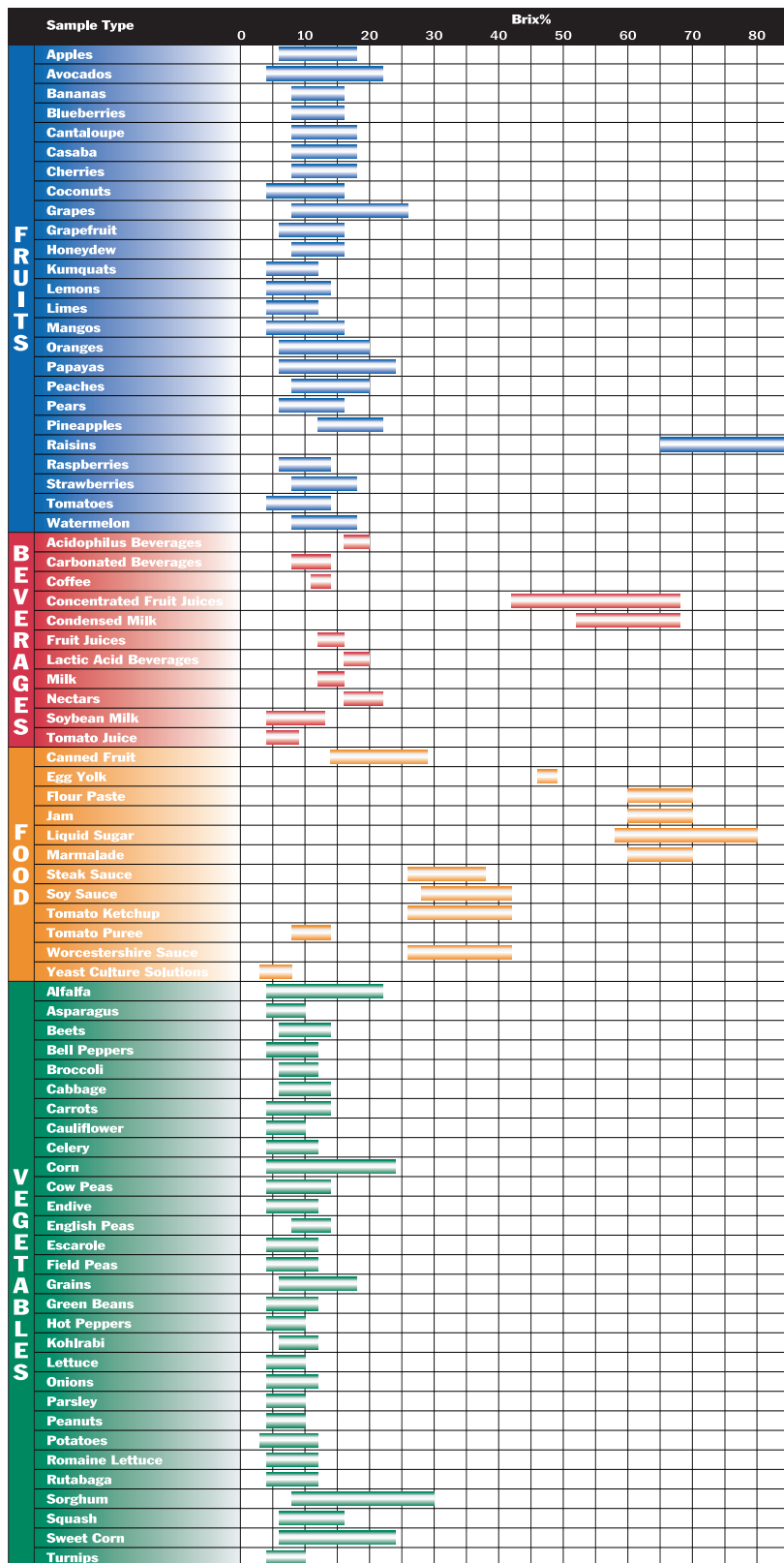
Supplied With: Carrying Strap (1), AAA Battery (2), Instruction Manual (1).



Actual Size

VEE GEE Model CDX-1 Specifications

Measuring System:	Optical Refraction Critical Angle Detection
Measuring Scale:	Brix
Measuring Range:	0.0-60.0%
Resolution:	0.1%
Accuracy:	±0.2%
Temperature Compensation:	10 to 70 °C
Ambient Temperature:	10 to 70 °C
Measuring Time:	2.0 Seconds
Maximum Sample Temperature:	100 °C
Sample Type:	Transparent, Translucent, & Opaque
Sample Quantity:	>0.1ml
Zero Calibration Liquid:	Distilled Water
Display:	LCD
Measuring Light Source:	LED
Sensor:	Linear High-Resolution CMOS
Prism:	Optical Glass
Sample Well:	Aluminum w/ Titanium Coating
Power Requirements:	AAA Battery (2)
Auto-Off Mode:	>1.0 Minute Non-Use
Battery Life:	30,000+ Readings
Dimensions:	26 (L) x 43 (W) x 170 (H) mm
Weight:	100g
Country Of Origin:	Japan
Supplied With:	Carrying Strap (1 ea.) AAA Battery (2 ea.) Instruction Manual (1 ea.)



VEE GEE Ordering Information

Cat. No.	Model	Scale	Range	Resolution	Accuracy	ATC	Dimensions	Weight
44201	CDX-1	Brix	0.0-60.0%	0.1	±0.2	10-70 °C	26 x 43 x 170mm	100g

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