

Brix

nD

NaCl

C.S.1

C.S.2

VEE GEE


 PDX-95  
Digital Refractometer

# PDX SERIES

## Digital Refractometers

 READ  
ENTER

°C / °F



ATC



LIMIT

Y/N

SCALE



### Features

- High End Features In A Palmtop Design
- Large, Easy-To-Read, Digital LCD Display
- Highly Accurate Brix & Refractive Index (nD) Readings
- Custom High & Low Limit Measurement Alarms
- Low Power Consumption Provides 5000+ Readings Per Battery
- Water-Resistant Lexan® Overlay
- High-Polish, Stainless Steel Sample Well For Simple Cleanup


 VEE GEE®  
Analytical Instruments



## PDX-Series Digital Refractometers

The PDX-Series from VEE GEE delivers digital accuracy and high-end features for precise Brix and R.I. readings at the portable level. All models are exceptionally simple to operate and provide fast and highly accurate results for liquid solids testing.

Operation consists of placing 1 or 2 drops of sample on the prism and pressing the READ/ENTER key; within 1 second, the reading is shown on the extra-large LCD display.

With one push of the ZERO button, all models are calibrated with distilled water. Expensive and messy oil standards are no longer needed for calibration.

The PDX models are built around an industry-leading, high-resolution (2048 pixels) linear CCD sensor and extra-large, menu driven LCD display. The rugged construction of these refractometers will provide years of reliable use. The water-resistant design allows them to be used in humid or harsh conditions; the stainless-steel sample well stands up to even corrosive samples.

To further ensure accurate testing the PDX models can be easily programmed with high and low limits. If a measurement falls outside of the target range, the red LED alarm and LCD will flash to quickly alert the operator.

With accuracy of Brix  $\pm 0.1$ , scales for R.I./NaCl/Honey Moisture, automatic temperature compensation, a linear high-resolution CCD sensor, and low power consumption, the PDX-Series are instruments which will perform with unparalleled fidelity.

Go with a name you can trust for high level in laboratory instruments...choose VEE GEE.



Model PDX-1



Model PDX-2



Model PDX-95

### Technical Specifications

Technical Specifications		PDX-1	PDX-2	PDX-95
Cat No.		44001	44002	44101
Measuring Range	Brix	0.0-65.0%	40.0-95.0%	0.0-95.0%
	Refractive Index	1.3330-1.435 nD	1.3390-1.5320 nD	1.3330-1.5320 nD
	NaCl	0.0-28.0%	--	0.0-28.0%
	Honey Moisture	--	12.0-30%	--
Resolution	Brix	0.1%	0.1%	0.1%
	Refractive Index	0.0001	0.0001	0.0001
	NaCl	0.1%	--	0.1%
	Honey Moisture	--	0.1%	--
Accuracy	Brix	$\pm 0.1\%$	$\pm 0.1\%$	$\pm 0.1\%$
	Refractive Index	$\pm 0.0001$	$\pm 0.0001$	$\pm 0.0001$
	NaCl	$\pm 0.1\%$	--	$\pm 0.1\%$
	Honey Moisture	--	$\pm 0.1\%$	--
Hi-Low Limit Resolution		0.1/0.0001/0.1		
Optical Wavelength		589.3nm		
Measuring Light Source		LED		
Sensor		Linear Hi-Res CCD		
Prism		Optical Glass		
Stage		High Polish Stainless Steel		
Temperature Compensation		+5 to +35 °C		
Ambient Temperature		+5 to +35 °C		
Measuring Temperature		+5 to +35 °C		
Temperature Sensor Accuracy		$\pm 0.1$ °C		
Measuring Time		1.0 Seconds		
Sample Quantity		>0.1mL		
Zero Calibration Liquid		Distilled Water		
Custom Calibration Liquid		Liquid Standard		
Display		LCD		
Keypad		Lexan®		
Power Requirements		9V Battery (1)		
Auto-Off Mode		>3.0 Minutes Non-Use		
Battery Life		5000+ Readings		
Dimensions		170 (L) x 95 (W) x 45 (H) mm		
Weight		425g		
Supplied With		Storage Case (1 ea.), Carry Case (1 ea.), Prism Cover (2 ea.), Plastic Transfer Pipet (1 ea.), 9V Battery (1 ea.), Instruction Manual (1 ea.)		



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