

Urine
(0.001)

Urine
(0.0001)

nD

Refraction

VEE GEE

PDX-CL
Digital Refractometer

PDX-CL

Urine Specific Gravity Digital Refractometer

"Accuracy of ± 0.0003 for Urine Specific Gravity delivers the highest precision available from a portable refractometer."

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SCALE



Features

- Top-Level Features In A Palmtop Design
- Large, Easy-To-Read, Digital LCD Display
- Highly Accurate Specific Gravity Readings For Urine
- Refractive Index & Refraction Scales
- 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-CL Urine Specific Gravity Digital Refractometer

The PDX-CL from VEE GEE delivers digital accuracy and high-end features for precise measurements of urine specific gravity. With 4-decimal resolution and accuracy of ± 0.0003 , the PDX-CL delivers performance never before available in a portable instrument.

The great advantage of the automatic PDX-CL digital refractometer is the natural consistency it affords. Measurement values are not dependent on how each operator reads an optical scale; a fuzzy shadowline can be interpreted in many different ways. Other digital refractometers on the market offer only 3-decimal resolution or scrolling LCD readouts which can greatly contribute to errors, reporting, and the accuracy levels of screening.

Compared to optical refractometers, the level of training, which is required to use the PDX-CL is exceptionally minimal. Optical instruments require some basic skills and experience before operators are comfortable using them. With the PDX-CL, after a sample is applied to the prism, one needs only to press a button and read the measurement from the digital display...that's it. This ensures that whether its being used for clinical urinalysis, drug screening or the dehydration level of athletes, the PDX-CL will provide consistent, accurate results.

To further ensure accurate screening the PDX-CL can be easily programmed with high and low limits to a range as small as 0.0001 for urine specific gravity. 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 ± 0.0003 USG, scales for R.I. and Refraction, automatic temperature compensation, a linear high-resolution CCD sensor, and low power consumption, the PDX-CL is an instrument, which will serve its clinical customers with unparalleled fidelity.

Go with a name you can trust for the highest level in clinical instruments...choose VEE GEE.

Technical Specifications

		PDX-CL
Cat. No.		44027
Measuring Range	Urine Spec. Grav.	1.0000-1.0500
	Refractive Index	1.3330-1.4098 nD
	Refraction	0-320
Resolution	Urine Spec. Grav.	0.0001
	Refractive Index	0.0001 nD
	Refraction	1
Accuracy	Urine Spec. Grav.	± 0.0003
	Refractive Index	± 0.0001
	Refraction	± 1
Hi-Low Limit Resolution		0.0001 U.S.G. / 0.0001 nD / 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		$\pm 0.1^\circ\text{C}$
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.)



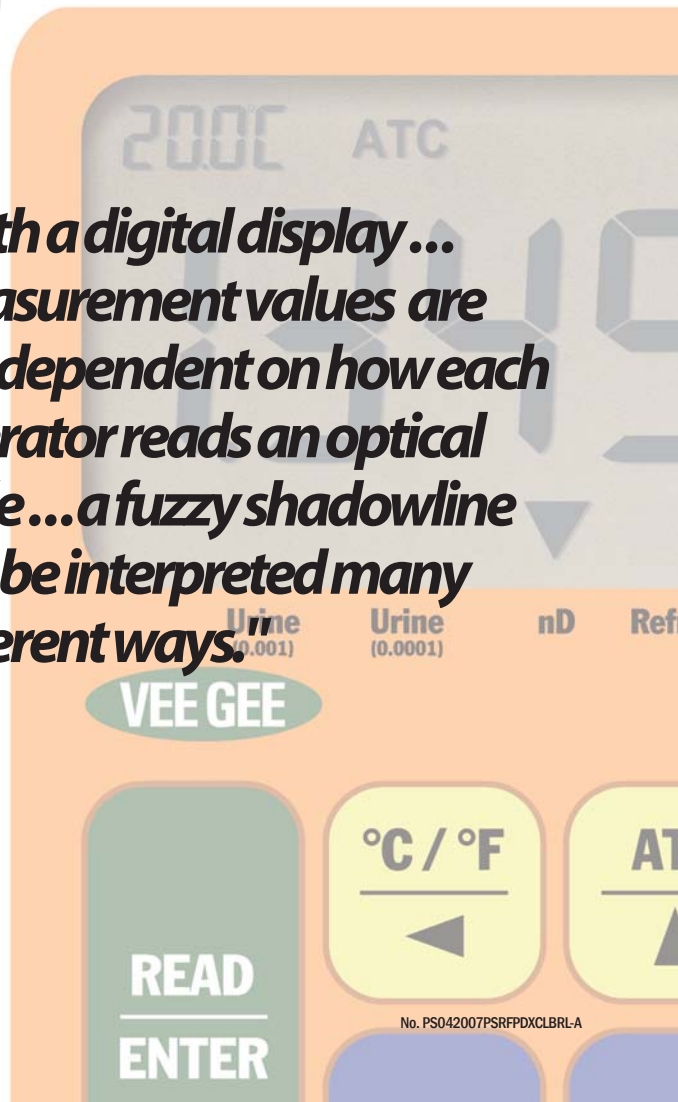
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