



MDX Series

Digital Refractometer



- Compact and lightweight
- Removable grip & prism cover for easy cleaning
- Continuous loop read feature (15 reads)
- Automatic Temperature Control
- Zero with distilled water
- IP67 rating for detecting unit, IP65 for remainder
- 589.3nm LED
- Stainless steel prism well
- °C/°F switchable temperature display
- 1-year warranty

The MDX-Series from VEE GEE delivers digital accuracy and high-end features for specific applications. Ten models are available with scales that can be used in a wide variety of industries including: Food and Beverage, Industrial, Waste-Water, Aquatics and many more.

Review the specifications chart for information on the ranges, accuracy, scales, and application of each model.

Refractometers, Portable, Digital, Compact

VEE GEE®, MDX-Series

Cat. No.	Model	Description/Scales	# of Scales
48101	MDX-101	nD,Brix , 0.0-50.0%	2
48102	MDX-102	nD,Brix (wide range) 0.0-90.0%	2
48103	MDX-103	Sugars: Dextran, Fructose, Glucose, Lactose, Maltose, nD	6
48201	MDX-201	NaCl %, NaCl PPT, Specific Gravity, nD	4
48202	MDX-202	Seawater, Chlorinity, Specific Gravity, nD	4
48301	MDX-301	Honey: Brix, Water, Be', nD	4
48401	MDX-401	Wine/Beer: Brix, % vol ap, Oe, KMW	4
48602	MDX-602	DEF, Battery Acid, nD	3
48603	MDX-603	Glycols °C: Prop/Ethyl %, Prop/Ethyl Freeze Point °C/°F	4



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Digital Refractometer

All MDX-Series models come complete with: Digital Refractometer, Rubber Grip & Prism Cover, Hard Shell Case with Protective Lining, Disposable Pipet, Battery, and user Manual.

MDX-Series Specification Chart

Cat. No.	Model No.	Scale	Range	Resolution	Accuracy
48101	MDX-101	Brix	0.0 to 50.0% Brix	0.1% Brix	±0.2% Brix
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
48102	MDX-102	Brix	0.0 to 90.0% Brix	0.1% Brix	±0.2% Brix
		Refractive Index	1.3330 to 1.5300 nD	0.0001 nD	±0.0003 nD
48103	MDX-103	Dextran	0.0 to 10.5%	0.1%	±0.2%
		Fructose	0.0 to 68.0%	0.1%	±0.2%
		Glucose	0.0 to 59.0%	0.1%	±0.2%
		Lactose	0.0 to 16.5%	0.1%	±0.2%
		Maltose	0.0 to 15.5%	0.1%	±0.2%
		Sucrose (Brix)	0.0 to 90.0%	0.1%	±0.2%
48201	MDX-201	NaCl (%)	0.0 to 28.0%	0.1%	±0.2%
		NaCl (ppt)	0 to 280 ppt	1 ppt	±2 ppt
		Specific Gravity	1.000 to 1.217	0.001	±0.002
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
48202	MDX-202	Salinity	0 to 100 ppt	1 ppt	±2 ppt
		Chlorinity	0 to 57 ppt	1 ppt	±2 ppt
		Specific Gravity	1.000 to 1.075	0.001	±0.002
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
48301	MDX-301	Brix	0.0 to 90.0% Brix	0.1% Brix	±0.2% Brix
		Moisture	5.0 to 38.0%	0.1%	±0.2%
		Baume	33.0 to 48.0°	0.1°	±0.2°
		Refractive Index	1.3330 to 1.5300 nD	0.0001 nD	±0.0003 nD
48401	MDX-401	Brix	0.0 to 50.0% Brix	0.1% Brix	±0.2% Brix
		PA (% v/v)	0.0 to 22.0%	0.1%	±0.2%
		Oechsle (Oe)	0 to 150°	1°	±2°
		KMW (Babo)	0.0 to 25.0°	0.1°	±0.2°
48602	MDX-602	DEF (Urea)	0.0 to 51.0%	0.1%	±0.2%
		Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
		Battery Acid Specific Gravity	1.000 to 1.500	0.001	±0.005
48603	MDX-603	Ethylene Glycol (% v/v)	0.0 to 65.0%	0.1%	±0.5%
		Ethylene Glycol Freezing Point	-80.0 to 32.0°F / -50.0 to 0.0°C	0.1°F / 0.1°C	±1.0°F / ±0.5°C
		Propylene Glycol (% v/v)	0.0 to 73.0%	0.1%	±0.5%
		Propylene Glycol Freezing Point	-100.0 to 32.0°F / -50.0 to 0.0°C	0.1°F / 0.1°C	±1.0°F / ±0.5°C