



**8AZF1**



**8NDJ6**



**3MY56**



**8TLK5**

## Analog Refractometers

Measure the concentration of dissolved solids for a wide range of applications including food processing, laboratory, and machine cooling. Easy-to-operate instruments provide quick scale readings.



Range	Accuracy	ATC*	Function	Brand	Mfr. Model	Item No.
<b>Benchtop - Brix</b>						
0% to 95%, 1.3000 to 1.7000	±0.15, ±0.0003 RI	No	Film, Glass, Liquids, Plastic	VEE GEE	C10	<b>9RY63</b>
<b>Handheld - Aqueous Solutions</b>						
-50° to 0°C Ethylene Glycol, -50° to 0°C Propylene Glycol, 1.10 to 1.40 Battery Acid	±0.01	Yes	Measures the Concentration of An Aqueous Solution By Measuring Its Refractive Index	VEE GEE	CTX-1	<b>36TY16</b>
0% to 28% NaCl	±0.2%	No		VEE GEE	SX-2	<b>36TY13</b>
<b>Handheld - Brix</b>						
0% to 30%	0.1	Yes	Beverages, Food Sweeteners, Juices	Reichert	137530L0	<b>16D191</b>
0% to 50%	0.25	Yes		Reichert	137531L0	<b>8URH7</b>
0% to 20%	±0.1	Yes	—	VEE GEE	43012	<b>8CXU0</b>
0% to 10%	±0.1	No	Aqueous Solutions	VEE GEE	43009	<b>9F740</b>
0% to 10%	±0.1%	Yes	Sucrose	Exttech	RF11	<b>4GGD6</b>
0% to 18%	±0.2%	Yes	Lubricants/Cutting Fluids	Exttech	RF12	<b>4GGD7</b>
0% to 30%	0.0001, 0.1	Yes	Chemical, Food and Beverage, Industrial Cutting Fluids, Pharmaceutical	Reichert	13754000	<b>8AZF1</b>
0% to 32%	±0.2%	No	Aqueous Solutions	VEE GEE	43001	<b>8NDJ6</b>
0% to 32%	±0.2	Yes		VEE GEE	43002	<b>8CYA4</b>
0% to 32%	±0.2%	Yes	Sucrose (ATC)	Exttech	RF15	<b>3MY56</b>
50% to 90%	0.2	Yes	Beverages, Food Sweeteners, Juices	Reichert	137533L0	<b>9HR18</b>
58% to 92%	±0.2%	No	Aqueous Solutions	VEE GEE	43005	<b>8RXX6</b>
0% to 50%	±0.5	No	—	VEE GEE	43015	<b>8CXU1</b>
<b>Handheld - Industrial Fluids</b>						
0° to -48°C Ethylene Glycol, 0° to -48°C Propylene Glycol, 0-61 Propylene Glycol, 0-70 Ethylene Glycol, 1.100-1.400 Electrolyte	0.55°C	Yes	Battery Electrolyte Specific Gravity And Charge Level, Concentration Of Ethylene Glycol And Propylene Glycol, Freeze Points Of Ethylene Glycol And Propylene Glycol	Reichert	137564L0	<b>16D196</b>
Ethylene Glycol Freeze Point: -60°F (59%) to 25°F (16%), Propylene Glycol Freeze Point: -60°F (83%) to 32°F (12%), Specific Gravity of Battery Acid: 1.15 to 1.30	±2%	Yes	Measures the Freezing Point of Automotive Coolants (Propylene Glycol and Ethylene Glycol) and Indicates the Specific Gravity of Battery Acid and Provides A Quick Reference of Battery Charge Condition	Exttech	RF40	<b>3MY57</b>
32° to -60°F Ethylene Glycol, 32° to -60°F Propylene Glycol, 0-63 Propylene Glycol, 0-70 Ethylene Glycol, 1.100-1.400 Electrolyte Specific Gravity	1°F	Yes	Battery Electrolyte Specific Gravity And Charge Level, Concentration Of Ethylene Glycol And Propylene Glycol, Freeze Points Of Ethylene Glycol And Propylene Glycol	Reichert	137584L0	<b>8TLK5</b>
1% to 60% Urea	±0.5%	No	Measures Diesel Exhaust Fluid	VEE GEE	URX-60	<b>36TY17</b>
<b>Handheld - Salinity</b>						
0% to 100% (Salinity), 1 to 1.07 (Specific Gravity of Seawater)	±1 ppt	Yes	—	VEE GEE	43036	<b>8CXU2</b>
0 to 100 ppt (Salinity)	±0.1%	Yes	Salt	Exttech	RF20	<b>9PP82</b>

\* ATC = automatic temperature compensation.



**8GUP3**



**48ME39**



**16D201**

## Digital Refractometers



Compact, handheld meters raise the bar for performance and value. Conveniently measure the concentration of dissolved solids in a variety of applications including food processing, laboratory, waste, water, and machine cooling. Provide numeric readings for precise measurements.

Range	Accuracy	ATC*	Function	Brand	Mfr. Model	Item No.
<b>Handheld - Brix</b>						
0.0% to 62.0%, 1.3330 to 1.4465	±0.2%	Yes	Agriculture, Beer, Beverage, Food, Industrial, Wine	Reichert	13940000	<b>8GUP3</b>
0% to 50%	±0.2%	Yes	Brix, nD	VEE GEE	MDX-101	<b>48ME39</b>
0% to 100%	±0.2%	Yes	Chlorinity, nD, Seawater, Specific Gravity	VEE GEE	MDX-202	<b>48ME43</b>
0% to 95%	±0.1, 0.0001	Yes	Chemical, Cosmetic, Food and Beverage, Pharmaceutical	Reichert	13950000	<b>8RTH2</b>
<b>Handheld - Industrial Fluids</b>						
0.0 to 50.0 Diesel Exhaust Fluid (Urea)	0.1	Yes	Diesel Exhaust Fluid, Known As Def/ Adblue/Arla/Aus32	Reichert	13940013	<b>16D199</b>
0° to -54°C Windshield Washer Fluid, 0° to -57°C Ethylene Glycol, 1.000 to 1.463 Battery Electrolyte SG	0.003 SG		Battery Electrolyte SG, Freeze Point of Ethylene Glycol, Freeze Point of Windshield Washer Fluid	Reichert	13940029	<b>16D202</b>
1.000 to 1.463 Battery Electrolyte SG, 32° to -60°F Propylene Glycol, 32° to -65°F Windshield Fluid, 32° to -70°F Ethylene Glycol	0.3°C Glycol, 1°C Windshield Fluid	Yes				
1.000 to 1.463 Battery Electrolyte SG, 32° to -60°F Propylene Glycol, 32° to -65°F Windshield Fluid, 32° to -70°F Ethylene Glycol	0.003 SG battery electrolyte, 0.5° F Glycol, 2° F Winshield Fluid	Yes	Battery Electrolyte SG, Freeze Point of Ethylene Glycol, Freeze Point of Propylene Glycol, Freeze Point of Windshield Washer Fluid	Reichert	13940014	<b>16D201</b>
<b>Handheld - Salinity</b>						
0% to 100%	±0.5%	Yes	Glycol°F/C: Prop/ Ethyl Freeze pt°F/C	VEE GEE	MDX-603F	<b>48ME48</b>

\* ATC = automatic temperature compensation.