

AELAB AE Series

Pocket Refractometer



Features:

- ◆ Portable refractometers are very commonly used which can be used for low, middle, and high resolution Brix concentration. The low range can be used for high-precision measurement such as fruit juice, tomato juice, cola and most kinds of beverage. The middle range can be used for concentrated fruit juice, canned food, sugar solution infusions, sauce, ketch up, seasoning and many kinds of industry fluids. The high range is suited for use with food products of high sugar content such as liquid sugar, honey, etc.
- ◆ They can be used for industry fluid testing, such as for vegetable oils, industry, and many other chemical liquids or laboratory use fluids. It provides a fast and accurate way to test the ratio and concentration in water soluble cutting oil and many other industrial fluid.

Technical Specifications:

	Model	Measure Range	Precision	Temperature
Alcohol	AE-303	0~50%v/v	1.00%	ATC
		50~80%v/v	2.50%	ATC
	AE-305	0~50%w/w	1.00%	ATC
		50~80%w/w	2.50%	ATC
	AE-306	0~25%VOL	0.20%	ATC
	AE-301	0~25%VOL	0.2%VOL	ATC
		0~40%Brix	0.2%Brix	ATC
	AE-302	0~25%VOL	0.2%VOL	ATC
0~20Baume		0.2Baume	ATC	
Urine/Protein	AE-501	0~12g/dl	0.2g/dl	ATC
		1.000~1.040sg	0.002sg	ATC
	AE-505	0~12g/dl	0.2g/dl	ATC
		1.000~1.050sg	0.002sg	ATC
	AE-502	1.3330~1.3600RI	or 0.0005RI	ATC
		0~12g/100ml	0.2g/100ml	ATC
	AE-503	1.000~1.050UG	0.005UG	ATC
		1.3325~1.3600nD	0.0005nD	ATC
	AE-503	0~12g/dl	0.2g/dl	ATC
		1.000~1.040UG	0.005UG	ATC
AE-503	1.3325~1.3600nD	0.0005nD	ATC	
	Wine	AE-602	0~140 Oe	1 Oe
0~25KMW(Babo)			0.2KMW(Babo)	ATC
0~32%Mas Sacch			0.2%Mas Sacch	ATC
AE-603		0~170 Oe	2 Oe	ATC
AE-606		30~140 Oe	1 Oe	ATC
		0~32%Brix	0.2%Brix	ATC
AE-601		0~140 Oe	1 Oe	ATC
		0~32%Brix	0.2%Brix	ATC
AE-604		0~190 Oe	2 Oe	ATC
		0~38KMW(Babo)	0.5%Brix	ATC
	0~44%Brix	0.5%Brix	ATC	
AE-605	30~140 Oe	1 Oe	ATC	
	0~25KMW(Babo)	0.2%KMW	ATC	
Refractive Index	AE-703	Refractive Index: 1.440~1.520	0.001	ATC
Beer	AE-1101	0-32% Brix	±0.20% Brix	ATC
		1.000-1.120 Wort Specific Gravity	±0.001	ATC

	Model	Measure Range	Precision	Temperature
Honey	AE-112	13~25% Honey Moisture	water 0.1%	ATC
	AE-120	Brix: 58-90%	Brix: ±0.5%	ATC
		Baume: 38-43Be'	Baume: ±0.5Be'	ATC
		Water: 10-33%	Water: ±1%	ATC
Salinity	AE-202	Salinity: 0~28%	0.20%	ATC
	AE-201	Salinity: 0-100‰	1‰	ATC
		Density: 1.000-1.070	0.001	ATC
	AE-206	Salinity: 0~28%	0.20%	ATC
		Brix: 0~32%	0.20%	ATC
	AE-205	Salinity: 0-10‰	1‰	ATC
		Density: 1.000-1.070	0.001	ATC
Brix	AE-115	Brix 58-92%	±0.5%	
	AE-099	Brix 0-18%	±0.2%	ATC
	AE-117	Brix 0-80%	±0.5%	
	AE-108	Brix 45-82%	±0.5%	
	AE-101	Brix 0-90%	±0.5%	
	AE-102	Brix 0-10%	±0.1%	ATC
	AE-103	Brix 0-20%	±0.1%	ATC
	AE-105	Brix 0-32%	±0.2%	ATC
	AE-106	Brix 0-50%	±0.5%	
	AE-107	Brix 28-62%	±0.2%	ATC
	Battery/Coolants/ Antifreeze/Cleaner/ (ATC)	AE-401	Ethylene Glycol	-50oF~32oF
Propylene Glycol			-50oF~32oF	10oF
Battery Fluids			1.15~1.30KG/L	0.01KG/L
AE-402		Ethylene Glycol	-50oC~0oC	10oC
		Propylene Glycol	-50oC~0oC	5oC
		Battery Fluids	1.10~1.40KG/L	0.01KG/L
AE-403		Ethylene Glycol	-50oC~0oC	10oC
		Propylene Glycol	-50oC~0oC	5oC
		Cleaning Watter	-40oC~0oC	10oC
		Battery Fluids	1.15~1.30KG/L	0.01KG/L
AE-404		Ethylene Glycol	-50oC~0oC G13	5oC
		Propylene Glycol	-50oC~0oC G11/12	5oC
		Cleaning Watter	-40oC~0oC SRFI	10oC
		Battery Fluids	1.10~1.40KG/L	0.01KG/L
AE-405A		Ethylene Glycol	-60oC~0oC(0~66.6%)	10oC
		Propylene Glycol	-50oC~0oC(0~62.4%)	5oC
		Battery Fluids	1.10~1.40KG/L	0.01KG/L
AE-406A		Ethylene Glycol	-84oF~32oF(0~70%)	10oF
		Propylene Glycol	-60oF~32oF(0~63%)	5oF
		Battery Fluids	1.10~1.40KG/L	0.01KG/L
AE-408		Ethylene Glycol	-60oC~0oC	5oC
	Ethylene Glycol	0~100%	5%	
	Battery Fluids	1.10~1.40KG/L	0.01KG/L	
Emulsion	AE-406	Concentration of emulsified liquid		ATC
		M-10: 0-15%	0.50%	ATC
		MDT: 0-15%	0.50%	ATC
Urea/Adblue	AE-1ATC	Ethylene Glycol	-50oC~0oC G13	5oC
		Propylene Glycol	-50oC~0oC G11/12	5oC
		Cleaning Watter	-40oC~0oC SRFI	10oC
		Battery Fluids	1.10~1.40KG/L	0.01KG/L
		Adblue(Urea)	30~35%	0.1
	AE-2ATC	Adblue(Urea)	0~40%	0.1