

Portable Digital Refractometer



Parameters:

Measurement range	Brix 0.0~50.0% & Brix 0.0~90.0%	Resolutions	(Brix) 0.1% 0.1°C
Accuracy	(Brix) ±0.2% ±0.5°C	Environment Temperature	0~40°C
Measurement Temperature	0~40°C (ATC)	Sample volume needed	> 0.2ml
Measure time	2S	Power Supply	1 x AAA battery
Protection class	IP65	Dim /G.W	58(W)x25(D)x121(H)mm 90g(excluding battery)

Technical Specifications:

Series	Model	Scale's Name	Scale's No.	Range	Resolution	Accuracy
Brix%	AE-P101	Brix	S01	0.0-50.0%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.4200nD	0.0001nD	±0.0003nD
	AE-P102	Brix	S01	0.0-90.0%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.5177nD	0.0001nD	±0.0003nD
	AE-P103	Dextran	S01	0.0-10.6%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.4200nD	0.0001nD	±0.0003nD
	AE-P104	Fructose	S01	0.0-68.9%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.5177nD	0.0001nD	±0.0003nD
	AE-P105	Glucose	S01	0.0-59.9%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.5177nD	0.0001nD	±0.0003nD
	AE-P106	Lactose	S01	0.0-16.5%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.4200nD	0.0001nD	±0.0003nD
	AE-P107	Maltose	S01	0.0-15.6%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.4200nD	0.0001nD	±0.0003nD
Salinity	AE-P201 (sodium chloride NaCl)	Salinity	S01	0.0-28.0%	0.1%	±0.2%
		Salinity	S02	0-280‰	1‰	±2‰
		Specific gravity	S03	1.000-1.217	0.001	±0.002
		Refractive Index	S04	1.3330-1.4200nD	0.0001nD	±0.0003nD
	AE-P202 (sea water)	Salinity	S01	0-100‰	1‰	±2‰
		Chlorinity	S02	0-57‰	1‰	±2‰
		Specific gravity	S03	1.000-1.070	0.001	±0.002
		Refractive Index	S04	1.3330-1.4200nD	0.0001nD	±0.0003nD
Honey	AE-P301	Brix	S01	0.0-90.0%	0.1%	±0.2%
		Water	S02	38.0%-5.0%	0.1%	±0.2%
		Be'	S03	33.0-48.0	0.1	±0.2%
		Refractive Index	S04	1.3330-1.5177nD	0.0001nD	±0.0003nD
Wine	AE-P401	Brix%	S01	0.0-50.0%	0.1%	±0.2%
		%VOLap	S02	0.0%-22.0%	0.1%	±0.2%
		Oe	S03	0-150	1	±2%
		KMW	S04	0.0-25.0	0.1	±0.2
Clinical	AE-P501	URINE SP. G.	S01	1.000-1.050	0.001	±0.002
		SERUM P.	S02	-0.1-12.0	0.1	±0.2
		Refractive Index	S03	1.3330-1.4200nD	0.0001nD	±0.0003nD
Car	AE-P601	Cleaner	S01	(0) - (-60)°C	0.1°C	±0.5°C
		Ethylene Glycol	S02	(0) - (-60)°C	0.1°C	±0.5°C
		Propylene Glycol	S03	(0) - (-70)°C	0.1°C	±0.5°C
		Battery	S04	1.000-1.500sg	0.001	±0.005sg
	AE-P602 (Urea Tester)	Urea(NH ₂) ₂ CO	S01	0-51.0%	0.1%	±0.2%
		Refractive Index	S02	1.3330-1.4200nD	0.0001nD	±0.0003nD
	AE-P603 (Engine Coolant Tester)	Ethylene Glycol	S01	0-60%	0.1%	±0.5%
		Ethylene Glycol(°C)	S02	(0) - (-60)°C	0.1°C	±0.5°C
		Propylene Glycol	S03	0-70%	0.1%	±0.5%
		Propylene Glycol(°C)	S04	(0) - (-70)°C	0.1°C	±0.5°C
	AE-P604 (Brake Fluid Tester)	DOT3	S01	(121) - (260)°C	1°C	±0.5°C
		DOT4	S02	(125) - (275)°C	1°C	±0.5°C
	Refractive Index	S03	1.3330-1.5177nD	0.0001nD	±0.0003nD	