

# OPTi Digital Handheld Refractometer Scale List

Index	Application	Scale	Units	Range	Resolution	Accuracy	ATC
01	Primary	°Brix (ATC)		0-95	0.1	±0.2	°Brix
02	Primary	°Brix		0-95	0.1	±0.2	None
03	Primary	Refractive Index (ATC)		1.33-1.53	0.0001	±0.0003	°Brix
04	Primary	Refractive Index		1.33-1.53	0.0001	±0.0003	None
05	Automotive	AdBlue®/DEF (NOx reduction)	% Weight / Weight	0-40	0.1	±0.2	AUS32
06	Automotive	Ethylene Glycol	°C Freezing Point	0 to -50	1	±1	EG
07	Automotive	Ethylene Glycol	°F Freezing Point	30 to -40	1	±1	EG
08	Automotive	Propylene Glycol	°C Freezing Point	0 to -50	1	±1	PG
09	Automotive	Propylene Glycol	°F Freezing Point	30 to -40	1	±1	PG
10	Food & Beverage	°Butyro		0-100	0.1	±0.5	Butyro
11	Food & Beverage	Fructose	% Weight / Weight	0-85	0.1	±0.2	°Brix
12	Food & Beverage	Glucose	% Weight / Weight	0-85	0.1	±0.2	°Brix
13	Food & Beverage	42 HFCS (High Fructose Corn Syrup)	% Weight / Weight	0-95	0.1	±0.2	°Brix
14	Food & Beverage	55 HFCS (High Fructose Corn Syrup)	% Weight / Weight	0-95	0.1	±0.2	°Brix
15	Food & Beverage	90 HFCS (High Fructose Corn Syrup)	% Weight / Weight	0-95	0.1	±0.2	°Brix
16	Food & Beverage	Invert Sugar	% Weight / Weight	0-85	0.1	±0.2	°Brix
17	Food & Beverage	Maltose	% Weight / Weight	0-60	0.1	±0.2	°Brix
18	Food & Beverage	Salinity (NaCl)	% Weight / Volume	0-28	0.1	±0.2	NaCl
19	Food & Beverage	Total Solids of Waste Milk	%	5-15	0.1	±0.5	°Brix
20	Food & Beverage	Water in Honey	% Weight / Weight	10-30	0.1	±0.2	Honey
21	Industrial	Arbitrary		0-95	0.1	±0.2	
22	Industrial	Calcium Chloride	% Weight / Weight	0-40	0.1	±0.2	CaCl2
23	Industrial	Ethanol	% Volume / Volume	0-20	0.5	±1	Ethanol
24	Industrial	Ethylene Glycol	% Volume / Volume	0-60	0.1	±0.4	EG
25	Industrial	Ethylene Glycol	% Weight / Weight	0-60	0.1	±0.4	EG
26	Industrial	FSII DiEGME (ASTM D 5006)	% Volume / Volume	0.0-0.25	0.01	±0.02	°Brix
27	Industrial	Hydrogen Peroxide	% Weight / Weight	0-50	0.2	±0.5	°Brix
28	Industrial	Methanol	% Weight / Weight	0-40	1	±0.2	Meth
29	Industrial	Propylene Glycol	% Volume / Volume	0-60	0.1	±0.4	PG
30	Industrial	Sodium Sulphate	% Weight / Weight	0-22	0.1	±0.2	Na2SO4
31	Industrial	Starch	%	0-30	0.1	±0.2	°Brix
32	Industrial	Sulphuric Acid (Battery Acid)	Specific Gravity (d20/20)	1.000-1.501	0.001	±0.003	SA
33	Industrial	Urea (CRC data)	% Weight / Weight	0-40	0.1	±0.2	AUS32
34	Life Science	Colostrum Quality		Poor / PASS	Poor / PASS	±0.2	°Brix
35	Life Science	Seawater (Practical Salt Units)	Part Per Thousand	0-180	1	±1	NaCl
36	Life Science	Seawater (Practical Salt Units)	Specific Gravity (d20/20)	1.000-1.090	0.0005	±0.001	NaCl
37	Life Science	Serum Protein	g/100ml	0-30	0.1	±0.2	°Brix
38	Life Science	Urine (SG) Human	Specific Gravity (d20/20)	1.000-1.050	0.0005	±0.0010	°Brix
39	Life Science	Urine (SG) Large Mammal	Specific Gravity (d20/20)	1.000-1.050	0.0001	±0.0010	°Brix
40	Life Science	Urine (SG) Small Mammal	Specific Gravity (d20/20)	1.000-1.050	0.0005	±0.0010	°Brix
41	Wine & Beer	°Baumé		0-50	0.1	±0.2	°Brix
42	Wine & Beer	°Zeiss (ABV)	% Volume / Volume	10-135	0.1	±0.5	°Brix
43	Wine & Beer	Alcohol Probable (AP)		0-22	0.1	±0.2	°Brix
44	Wine & Beer	KMW (Babo)		0-25	1	±1	°Brix
45	Wine & Beer	Oechsle (German)		30-130	1	±1	°Brix
46	Wine & Beer	Oechsle (Swiss)		0-130	1	±1	°Brix
47	Wine & Beer	°Plato		0-30	0.1	±0.2	°Brix
48	Wine & Beer	Mass Sugar (°Brix) (ATC)	% Weight / Weight	0-95	0.1	±0.2	°Brix
49	Wine & Beer	Mass Sugar (°Brix)	% Weight / Weight	0-95	0.1	±0.2	None
50	Wine & Beer	Wort (Sucrose Equivalent)	Specific Gravity (d20/20)	1.000-1.120	0.0005	±0.001	°Brix

[www.bellinghamandstanley.com](http://www.bellinghamandstanley.com)

Bellingham + Stanley  
Xylem  
Longfield Road  
Tunbridge Wells  
Kent, TN2 3EY  
United Kingdom  
Tel: +44 (0) 1892 500400  
Email: sales.bs.uk@xyleminc.com



Representantes / Distribuidores Autorizados

Argentina

Tel: (+54 11) 5352 2500  
Email: [info@dastecsrl.com.ar](mailto:info@dastecsrl.com.ar)  
Web: [www.dastecsrl.com.ar](http://www.dastecsrl.com.ar)

Uruguay [www.dastecsrl.com.uy](http://www.dastecsrl.com.uy)



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