

**FAQ No:** FAQ-OPT-009

**Title:** OPTi - Definitive Model List at July 2012 (OPTi+ launch)

**OPTi** “Half range” models covering either the low or high end of the Brix scale (or equivalent)

**OPTi+** “Full range” models spanning the whole Brix range (or equivalent)

**ID** Model identifier – this will be displayed when the OPTi is initially switched ON and is designed to help customers differentiate between models when more than one type are in use at one location  
(table column 8)



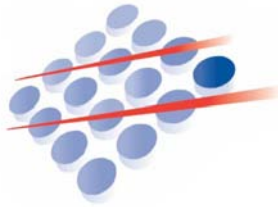
### **OPTi** Single Scale Models - General Purpose (low range)

Code	Type	Scale	Range	Resolution	Accuracy	ATC	I.D.
38-02	Brix 54	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	S54t
38-17	RI 1.42 NTC	Refractive Index (RI)	1.33-1.42	0.1	±0.2	NONE	Lndn
38-19	Brix 54 NTC	Sugar % (°Brix)	0-54	0.1	±0.2	NONE	S54n
38-20	RI 1.42	Refractive Index (RI)	1.33-1.42	0.0001	±0.0003	Bx	Lndt
38-22	Starch 30	Starch %	0-30	0.1	±0.2	Bx	St30
38-23	Urea 40	Urea % (CRC data)	0-40	0.1	±0.2	AUS32	UrEA
38-25	Seawater SG	Seawater Specific Gravity	1.000-1.090	0.0005	±0.001	NaCl	SES9
38-26	Seawater PPT	Seawater PPT (Parts Per Thousand)	0-180	1	±1	NaCl	SEPt
38-27	Wort SG	Wort Specific Gravity (Sucrose Equivalent)	1.000-1.120	0.0005	±0.001	Bx	bEEr
38-28	Saline 28	Salinity % (NaCl)	0-28	0.1	±0.2	NaCl	NACL
38-29	Adblue®	Urea % (AUS-32)	0-40	0.1	±0.2	AUS32	AdbL

### **OPTi** Duo Scale Models – General Purpose (low range)

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-31	General Purpose C1	A	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	9PC1
		B	Refractive Index (RI) ATC	1.33-1.42	0.0001	±0.0003	Bx	
38-37	Chemical C2	A	Refractive Index (RI)	1.33-1.42	0.0001	±0.0003	NONE	9PC2
		B	Temp °C (no ATC)	5-40°C	0.1	±1	N/A	
38-38	Chemical C3	A	Sugar % (°Brix)	20-70	0.1	±0.2	Bx	9PC3
		B	Refractive Index (RI)	1.36-1.47	0.0001	±0.0003	Bx	

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a xylem brand



## Single Scale Models - General Purpose (high range)

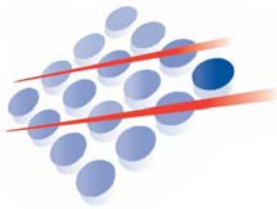
Code	Type	Scale	Range	Resolution	Accuracy	ATC	I.D.
38-04	Jam 75	Sugar % (°Brix)	20-75	0.1	±0.2	Bx	J75t
38-05	Hi Brix 95	Sugar % (°Brix)	50-95	0.1	±0.2	Bx	H95t
38-06	Honey	Water in Honey %	10-30	0.1	±0.2	Honey	Hy30
38-07	Hi HFCS 42	42 HFCS	50-95	0.1	±0.2	Bx	HF1
38-08	Hi HFCS 55	55 HFCS	50-95	0.1	±0.2	Bx	HF2
38-09	Hi HFCS 90	90 HFCS	50-95	0.1	±0.2	Bx	HF3
38-16	Hi RI 1.54 NTC	Refractive Index (RI)	1.42-1.54	0.0001	±0.0003	NONE	Hndn
38-18	Hi Brix 95 NTC	Sugar % (°Brix)	50-95	0.1	±0.2	NONE	H95n
38-32	Hi RI 1.54	Refractive Index (RI)	1.42-1.54	0.0001	±0.0003	Bx	Hndt



## Duo Scale Models - General Purpose (high range)

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-10	Honey/Brix	A	Water in Honey %	10-30	0.1	±0.2	Honey	HySu
		B	Sugar % (°Brix)	50-95	0.1	±0.2	Bx	
38-11	Hi HFCS 42/55	A	42 HFCS	50-95	0.1	±0.2	Bx	HF7
		B	55 HFCS	50-95	0.1	±0.2	Bx	
38-12	Hi HFCS 55/90	A	55 HFCS	50-95	0.1	±0.2	Bx	HF8
		B	90 HFCS	50-95	0.1	±0.2	Bx	

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**Duo Scale Models – Beer & Beverage Dispense**

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-48	Brew SG	A	ABV (°Zeiss)	10-135	0.1	±0.5	Bx	brE1
		B	Wort Specific Gravity (Sucrose Equivalent)	1.000-1.120	0.0005	±0.001	Bx	
38-49	Brew	A	ABV (°Zeiss)	10-135	0.1	±0.5	Bx	brE2
		B	°Plato	0-30	0.1	±0.2	Bx	
38-75	Dispense	A	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	brE3
		B	Propylene Glycol % by volume	0-60	0.1	±0.4	PG	

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**Duo Scale Models – Wine & Grape Must**

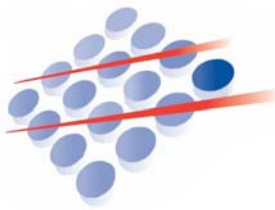
Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-41	Wine AP	A	% Mass w/w	0-35	0.1	±0.2	Bx	AP
		B	Alcohol Probable (AP)	0-22	0.1	±0.2	Bx	
38-42	Wine OE-D	A	% Mass w/w	0-35	0.1	±0.2	Bx	OEd
		B	Oechsle (German)	30-130	1	±1	Bx	
38-43	Wine OE-CH	A	% Mass w/w	0-35	0.1	±0.2	Bx	OECH
		B	Oechsle (Swiss)	0-130	1	±1	Bx	
38-44	Wine KMW	A	% Mass w/w	0-35	0.1	±0.2	Bx	bAbo
		B	KMW (Babo)	0-25	1	1	Bx	
38-45	Wine Baume	A	% Mass w/w	0-35	0.1	±0.2	Bx	bAUE
		B	°Baumé	0-28	0.1	±0.2	Bx	
38-46	Wine Baume/AP	A	°Baumé	0-28	0.1	±0.2	Bx	bAAP
		B	Alcohol Probable (AP)	0-22	0.1	±0.2	Bx	
38-47	ABV	A	% Mass w/w	0-35	0.1	±0.2	Bx	APU
		B	ABV (°Zeiss)	10-135	0.1	±0.5	Bx	

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**Duo Scale Models – Life Science**

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-51	Aquatic	A	Seawater PPT (Parts Per Thousand)	0-180	1	±1	NaCl	LSc1
		B	Seawater Specific Gravity (SG)	1.000-1.070	0.0005	±0.0010	NaCl	
38-52	Sport	A	Urine Specific Gravity (SG) Human (not IVD)	1.000-1.050	0.0005	±0.0010	Bx	LSc2
		B	Sugar % (°Brix)	0-30	0.1	±0.2	Bx	
38-53	Vet	A	Urine Specific Gravity (SG) Small Mammal	1.000-1.050	0.0005	±0.0010	Bx	LSc3
		B	Urine Specific Gravity (SG) Large Mammal	1.000-1.050	0.0001	±0.0010	Bx	
38-54	Bx/Saline	A	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	LSc4
		B	Salinity % (NaCl)	0-28	0.1	±0.2	NaCl	
38-56	Colostrum	A	Sugar % (°Brix)	0-35	0.1	±0.2	Bx	LSc5
		B	Colostrum Quality	Poor / -PASS	PASS / Good		Bx	

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**Duo Scale Models – Heat Transfer**

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-70	Heat Transfer PG/C	A	Propylene Glycol % by volume	0-60	0.1	±0.4	PG	HtL1
		B	Propylene Glycol °C Protection	0 to -50	1	±1	PG	
38-71	Heat Transfer EG/C	A	Ethylene Glycol % by volume	0-60	0.1	±0.4	EG	HtL2
		B	Ethylene Glycol °C Protection	0 to -50	1	±1	EG	
38-72	Heat Transfer EG/PG	A	Ethylene Glycol % by volume	0-60	0.1	±0.4	EG	HtL3
		B	Propylene Glycol % by volume	0-60	0.1	±0.4	PG	
38-73	Heat Transfer PG/F	A	Propylene Glycol °F Protection	30 to -40	1	±1	PG	HtL4
		B	Propylene Glycol % by volume	0-60	0.1	±0.4	PG	
38-74	Heat Transfer EG/F	A	Ethylene Glycol % by volume	0-60	0.1	±0.4	EG	HtL5
		B	Ethylene Glycol °F Protection	30 to -40	1	±1	EG	
38-81	Coolant	A	Sugar % (°Brix)	0-18	0.1	±0.2	Bx	HtL6
		B	Refractive Index (RI)	1.33-1.38	0.0001	±0.0003	Bx	

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**Duo Scale Models – Automotive**

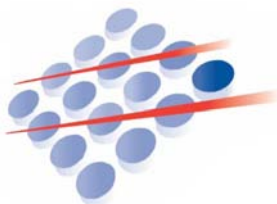
Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-61	Auto A1	A	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	AuA1
		B	Ethylene Glycol °C Protection	0 to -50	1	±1	EG	
38-62	Auto A2	A	Sugar % (°Brix)	0-54	0.1	±0.2	AUS32	AuA2
		B	DEF Adblue®	0-40	0.1	±0.2	AUS32	
38-63	Auto A3	A	Sugar % (°Brix)	0-54	0.1	±0.2	Bx	AuA3
		B	Propylene Glycol °C Protection	0 to -50	1	±1	PG	
38-65	Auto A4 DEF/C-EG	A	DEF Adblue®	0-40	0.1	±0.2	AUS32	AuA4
		B	Ethylene Glycol °C Protection	0 to -50	1	±1	EG	
38-66	Auto A5 DEF/F-EG	A	DEF Adblue®	0-40	0.1	±0.2	AUS32	AuA5
		B	Ethylene Glycol °F Protection	30 to -40	1	±1	EG	
38-67	Auto Antifreeze C	A	Ethylene Glycol °C Protection	0 to -50	1	±1	EG	AuA6
		B	Propylene Glycol °C Protection	0 to -50	1	±1	PG	
38-68	Auto Antifreeze F	A	Ethylene Glycol °F Protection	30 to -40	1	±1	EG	AuA7
		B	Propylene Glycol °F Protection	30 to -40	1	±1	PG	

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**Duo Scale Models – Aviation**

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-83	Aviation	A	Refractive Index (RI)	1.33-1.42	0.0001	±0.0003	NONE	FS11
		B	FSII DiEGME ATC	0.0 to 0.25	0.01	±0.02	Bx	

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**OPTi+**

**Single Scale Models**

Code	Type	Scale	Range	Resolution	Accuracy	ATC	I.D.
38-A1	Brix 95+	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	S95t
38-A2	RI 1.54+	Refractive Index (RI)	1.33-1.54	0.0001	±0.0003	Bx	Fndt
38-H1	HFCS 42+	42 HFCS	0-95	0.1	±0.2	Bx	HF4
38-H2	HFCS 55+	55 HFCS	0-95	0.1	±0.2	Bx	HF5
38-H3	HFCS 90+	90 HFCS	0-95	0.1	±0.2	Bx	HF6
38-B8	Brix 95+ NTC	Sugar % (°Brix)	0-95	0.1	±0.2	NONE	S95n
38-B9	RI 1.54+ NTC	Refractive Index (RI)	1.33-1.54	0.0001	±0.0003	NONE	Fndn

**OPTi+**

**Duo Scale Models**

Code	Type		Scale	Range	Resolution	Accuracy	ATC	I.D.
38-A3	Brix 95/Honey+	A	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	FSHy
		B	Water in Honey %	10-30	0.1	±0.2	Honey	
38-B1	Brix 95/RI 1.54+	A	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	FSnd
		B	Refractive Index (RI)	1.33-1.54	0.0001	±0.0003	Bx	
38-H4	HFCS 42/55+	A	42 HFCS	0-95	0.1	±0.2	Bx	HF9
		B	55 HFCS	0-95	0.1	±0.2	Bx	
38-H5	HFCS 55/90+	A	55 HFCS	0-95	0.1	±0.2	Bx	HF10
		B	90 HFCS	0-95	0.1	±0.2	Bx	
38-H6	Brix 95/HFCS 42+	A	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	HF11
		B	42 HFCS	0-95	0.1	±0.2	Bx	
38-H7	Brix 95/HFCS 55+	A	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	HF12
		B	55 HFCS	0-95	0.1	±0.2	Bx	
38-H8	Brix 95/HFCS 90+	A	Sugar % (°Brix)	0-95	0.1	±0.2	Bx	HF13
		B	90 HFCS	0-95	0.1	±0.2	Bx	

**Accessories**

Code	Description
38-016	OPTi Belt Pouch



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