

## Automatic Digital Refractometer RFM700-M Series 디지털 굴절계, RI & % Sugar scale

Cat. No.	Model	굴절율 (분해능)	Brix (분해능)	EA Price ₩
R09-105-500	RFM712-M	1.32~1.58 (0.0001)	0 ~ 50 (0.1)	9,676,300
R09-105-505	RFM732-M	1.32~1.54(0.00001)	0 ~ 100 (0.1)	13,823,200
R09-105-510	RFM742-M		0 ~ 100 (0.01)	16,590,000

- RFM700-M 시리즈는 저렴한 비용으로 디지털 자동 기술을 제공
- ICUMSA에 따라 온도가 20°C로 보상된 °Brix 스케일에서 작동됨
- 사용 제품에 맞게 온도 보상이 조정되어 다양한 매체에서 Span Calibration 용이
- 손쉬운 청소를 위한 평평한 사파이어 프리즘 표면
- 샘플 유출 및 습기 침투를 막을 수 있는 완벽한 몸체
- 식품, 설탕 및 음료 산업, 설탕 측정과 같이 온도 제어가 필요하지 않은 비식품 응용 분야에도 적합

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### Accessories

Cat. No.	Model	Type	EA Price ₩
R09-105-862	55-14	CBM-910 Dot Matrix Printer	942,400
R09-105-932	55-18	Thermal Printer USB	885,300
R09-105-930	54-02	Serial Cable for CBM910 Serial printer	145,700
R09-105-938	55-85	RS232 to USB Converter	188,400
R09-105-942	55-250	Waterproof Power Supply (IP65)	1,307,800

Model		RFM712-M	RFM732-M	RFM742-M
Scales	Refractive Index	1.32 ~ 1.42	1.32 ~ 1.54	1.32 ~ 1.54
	Sugar (°Brix)	0 ~ 50	0 ~ 100	0 ~ 100
	User-defined	100	100	100
Resolution	Refractive Index	0.0001	0.0001	0.00001
	Sugar (°Brix)	0.1	0.1	0.01
Accuracy	Refractive Index	±0.0001	±0.0001	±0.00005
	Sugar (°Brix)	±0.1	±0.1	±0.04
Precision (Reproducibility)	Refractive Index	± 0.00005	± 0.00005	± 0.00001
	Sugar (°Brix)	± 0.05	± 0.05	± 0.01
User Scale Library		20+ pre-programmed scales including HFCS (3), Sugar (4), Honey, NaCl, Wine Must (5), Urine SG (3), Glycol (2), Urea, FSII and more; plus customer programmable user scales via PC.		
Reading Time		Minimum 4 seconds (optional time delay)		
Temperature Control		None - Automatic Temperature Compensation (ATC)		
Temperature Compensation		ICUMSA, AG, User, none		
Sample Temperature Range		0 ~ 100 °C		
Measuring Temperature Range		5 ~ 40 °C		
Temperature Sensor Accuracy		± 0.03 °C		
Sample Temperature Stability		± 0.05 °C		
Temperature Compensation	Sucrose (°Brix)	5 ~ 80 °C		
	AG Fluids	5 ~ 40 °C		
	User-defined	Simple coefficient (units/ °C) or polynomial function		
Temperature Stability Checks		Delay in seconds or none		
Sample Illumination		Light Emitting Diode 589nm (100,000+ hours)		
Prism / Dish		Artificial Sapphire / Stainless Steel 316 / PEEK (spill barrier)		
Prism Seal		Silicon/Resin		
Interfaces		1 x USB (A), 1 x USB (B), RS232 via USB adaptor (optional accessory)		
Power		Instrument: 24 V DC, ±5%, <1A / External PSU: 100-240V, 50-60Hz (supplied)		
Humidity Range		<90% RH (non-condensing)		

## Calibration solution, Refractometer 굴절계 표준용액 15ml

Cat. No.	Model	Brix	EA Price ₩
R09-105-515	SS00	0.00	142,900
R09-105-520	SS05	5.00	142,900
R09-105-525	SS10	10.00	142,900
R09-105-535	SS15	15.00	142,900
R09-105-540	SS25	25.00	142,900
R09-105-545	SS30	30.00	142,900
R09-105-550	SS35	35.00	142,900
R09-105-555	SS40	40.00	142,900
R09-105-560	SS45	45.00	142,900
R09-105-565	SS50	50.00	142,900
R09-105-570	SS55	55.00	142,900
R09-105-575	SS60	60.00	142,900



- 굴절계의 성능을 검증할 때 사용하는 표준용액
- NIST/ICUMSA 인증
- 0-60 °Brix의 범위를 커버하는 독성이 없는 인증 솔루션으로 Brix 굴절계 교정에 적합
- Bellingham+Stanley