

# Refractometers

## Models RFM330-M and RFM340-M



BELLINGHAM  
& STANLEY

- ◆ Solid state measuring system
- ◆ Choice of Refractive Index, % Sugar solids or up to 100 ranges from pre-programmed standard scales: Zeiss, Oechsle, Butyro, Fructose or custom
- ◆ Built-in peltier temperature control
- ◆ Extended sugar compensation, acid correction, offset, scaling and drift run facilities
- ◆ High resolution, full colour readout
- ◆ Shallow, easy-clean prism dish
- ◆ 700 reading memory
- ◆ RS232, LAN and USB interfaces

Model		RFM330-M	RFM340-M
Scales	R.I. % Sugar (~Brix)	1.32 to 1.58 — both models 0 to 100 — both models	
Resolution (accuracy)	R.I. % Sugar (~Brix)	0.0001 (±0.0001)	0.00001 (±0.00004)* 0.01 (±0.03)*
Other scales		100 available from pre-programmed standard scales: Zeiss, Oechsle, Butyro, Fructose, or user-defined — both models	
Auto. temp.comp., Sugar (~Brix) AG fluids, User-defined units		ICUMSA 5 to 70°C — both models Simple coefficient (units/°C) or polynomial function — both models	
Temp. stability checks		Selectable by method — both models	
Working temperature range		Ambient -10°C to +70°C, peltier-controlled, accuracy ±0.05°C — both models	
Reading update		4 seconds (minimum) — both models	
Prism		Artificial sapphire — both models	
Sample illumination		LED and filter at 589nm — both models	
Power supply		100-240V 50/60Hz single phase adapter	
Overall W x D x H	mm	187 x 337 x 211 — both models	
Weight	kg	5.4 — both models	

\*±0.00002 (1.32 to 1.36 R.I.) and ±0.01 (0 to 30% Sugar)

As described. Supplied with instructions and power adapter for 100-240V 50/60Hz single phase supplies.

**RE280-55** Model RFM330-M  
**RE280-65** Model RFM340-M

### Accessories

For use in highly humid or wet, factory environments.

**RE284-20** Printer cable for all RFM-series refractometers  
**RE284-30** Printer, CBM910  
**RE284-32** Paper rolls for RE284-30  
**RE284-34** Ribbon cartridge, black, for RE284-30  
**RE284-39** Spare power supply, 110-230V 50/60Hz a.c.



RE280-65, RE280-55 is similar

## Automatic RFM700-M Series



BELLINGHAM  
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Low cost, fully automatic, digital refractometers designed for quality control in the food and beverage industries, but also useful in a variety of research and monitoring applications.

- ◆ Choice of Brix ranges:
  - 0 to 50% x 0.1% sugar
  - 0 to 100% x 0.1% sugar
  - 0 to 100% x 0.01% sugar
- ◆ Easy to use, four button keypad operation
- ◆ Bright LED display is clearly visible in all ambient light conditions
- ◆ Moisture-resistant, sealed casing and membrane keypad
- ◆ RS232 interface
- ◆ External, low voltage power supply

Model		RFM712-M	RFM732-M	RFM742-M
Range	% sugar (Brix)	0 to 50	0 to 100	0 to 100
Resolution	% sugar (Brix)	0.1 — both models		0.01
Accuracy	% sugar (Brix)	±0.1 — both models		±0.04
ATC		all readings compensated to +20°C		
Reading time	sec	3.2	4.5	4.5
Power supply		100-240V 50/60Hz a.c. single phase		
Overall L x W x H	mm	187 x 337 x 211 — all models		
Weight	kg	3 — all models		

As described. Supplied with instruction manual and external power adapter for 100 to 240V 50/60Hz a.c. single phase supply.

**RE285-20** Model RFM712-M  
**RE285-40** Model RFM732-M  
**RE285-60** Model RFM742-M

### Accessories

**RE284-30** Printer, CBM910  
**RE287-10** Printer cable for RE285-, RE290-series and RE284-30

Thermostatic baths and cooling systems – see BJ185/BJ240.



RE285



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