

Analogue refractometers ORA, KERN



Refraction index measurement for laboratories and industry

- The models in the KERN ORA-S range are universal, maintenance-free analogue manual refractometers
- The practical and robust design means that it can be used simply, efficiently and on a permanent basis, day in day out
- The manual effort to convert the value is avoided by the use of several selectable scales and thereby eliminates user error
- These scales have been specially developed, calculated precisely and checked. Another key feature is the very thin, clear lines
- The optical system and the prism cover are made from special materials, which enable you to measure with low tolerances
- All models are fitted with an eyepiece which can be adjusted easily and smoothly to different visual capacities
- The models which are marked „ATC“ have automatic temperature compensation, which makes it possible to obtain precise measurements at different environmental temperatures (10°C to 30°C)
- Included in the scope of supply: storage box, calibration solution, calibration block, pipette, screw driver, cleaning cloth

Technical data:

Material:	Chrome-plated pressure die casting made of aluminum-copper alloy
Measuring temperature without ATC:	20°C
Measuring temperature with ATC:	10° to 30°C
Dimensions box (WxDxH):	205 x 75 x 55 mm
Length:	ca. 130 to 200 mm (depending on the model)
Net weight:	ca. 135 to 600 g (depending on the model)

Model	Measuring range % Brix	Increment % Brix	with	Order No.
ORA 20BA	0 – 20	0.1	ATC	10 58 38020
ORA 32BA	0 – 32	0.2	ATC	10 58 38032
ORA 62BA	28 – 62	0.2	ATC	10 58 38062
ORA 80BB	0 – 80	0.5	—	10 58 38080
ORA 1RE	1.333 – 1.405 nD	0.005 nD	—	10 58 38010
	1.405 – 1.468 nD	0.005 nD		
	1.468 – 1.517 nD	0.005 nD		

Accessories

Article	Order No.
Prism coverplate with integrated LED-Diode	10 58 38131
Leather bag	10 58 38132
Calibration solution distilled water, volume 2.5 ml	10 58 38137
Calibration solution saturated salt solution, volume 2.5 ml	10 58 38134
Calibration solution Alpha-Bromonaphthalene, volume 2.5 ml	10 58 37814
Prism coverplate (spare)	10 58 38136

