KERN **ORM 2CO**

Digital measurement of refraction index for universal application

Category	
Brand	Optics
Product categoriy	Refractometer
Product group	Digital refractometer
Product family	ORM-CO

Measuring System	
Automatic temperature compensation (ATC)	✓
Measuring method	Total reflection
Area of application	Coffee
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	0 °C
Measurement temperature [Max] (°C)	40 °C
Brix scale	✓
Readout Brix	0,01 %
Measuring range Brix [Min]	0 %
Measuring range Brix [Max]	30 %
Accuracy Brix	±0,2 %
Scale for Refractive index	✓
Readout refractive index	0,0001 nD
Measuring range refractive index [Min]	1,3330 nD
Measuring range refractive index [Max]	1,4200 nD
Accuracy refractive index	±0,0003 nD
Scale coffee TDS 2	✓
Readout coffee TDS 2	0,01 %
Measuring range coffee TDS 2 [Min]	0 %
Measuring range coffee TDS 2 [Max]	25 %
Accuracy coffee TDS 2	±0,2 %

Approval	
CE mark	✓

Construction	
Dimension (W×D×H)	121×58×25 mm
Refractometer type	Handheld refractometer
Scale - Display type	Digital
Material prism	ZLaF3 lanthanum flint glass nd=1.85544

Functions	
Auto-off interval(s) in battery mode/rechargeable battery mode	60 sec
IP protection - complete device	IP65
Averaging measurement	✓
Averaging measurement amount	15

Power Supply	
Supplied power supply	Battery
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery capacity	1.300 mAh
Battery voltage	1,5 V

Environmental conditions	
Storage temperature [Min]	-5 °C
Storage temperature [Max]	40 °C

Packing & Shipping	
Dimensions transport container (W×D×H)	170×110×50 mm
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	170×110×50 mm
Net weight	0,14 kg
Shipping method	Parcel service
Net weight approx.	0,15 kg
Gross weight approx.	0,35 kg
Shipping weight	0,31 kg

Services (optional)	
Article number for factory calibration	961-290

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Pictograms

STANDARD