

# KERN ORM 2CA

# KERN

Digital measurement of refraction index for universal application



## Category

Brand	Optics
Product category	Refractometer
Product group	Digital refractometer
Product family	ORM-CA

## Measuring System

Automatic temperature compensation (ATC)	✓
Measuring method	Total reflection
Area of application	Automotive
Appropriate calibration liquid	0 % (distilled water)
Measurement temperature [Min] (°C)	0 °C
Measurement temperature [Max] (°C)	40 °C
Brix scale	✓
Readout Brix	0,1 %
Measuring range Brix [Min]	0 %
Measuring range Brix [Max]	90 %
Accuracy Brix	±0,2 %
Scale propylene glycol (%)	✓
Readout propylene glycol (%)	0,1 %
Measuring range propylene glycol (%) [Min]	0 %
Measuring range propylene glycol (%) [Max]	100 %
Accuracy propylene glycol (%)	±0,5 %
Scale propylene glycol (°C)	✓
Readout propylene glycol (°C)	0,1 °C
Measuring range propylene glycol (°C) [Min]	-60 °C
Measuring range propylene glycol (°C) [Max]	0 °C
Accuracy propylene glycol (°C)	±0,5 °C

Scale for ethylene glycol (%)	✓
Readout ethylene glycol (%)	0,1 %
Measuring range ethylene glycol (%) [Min]	0 %
Measuring range ethylene glycol (%) [Max]	100 %
Accuracy ethylene glycol (%)	±0,5 %
Scale for ethylene glycol (°C)	✓
Readout ethylene glycol (°C)	0,1 °C
Measuring range ethylene glycol (°C) [Min]	-50 °C
Measuring range ethylene glycol (°C) [Max]	0 °C
Accuracy ethylene glycol (°C)	±0,5 °C

## Approval

CE mark	✓
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## 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

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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

