

# KERN ORM 1CO

# KERN

Digital measurement of refraction index for universal application



## Approval

CE mark ✓

## Construction

Dimension (W×D×H) 121×58×25 mm  
Refractometer type Handheld refractometer  
Scale - Display type Digital

## Functions

Auto-off interval(s) in battery mode/rechargeable battery mode 60 sec  
IP protection - complete device IP65  
Automatic temperature compensation ✓

## 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

## Pictograms

### STANDARD



## Category

Brand Optics  
Product category 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 0,1 %  
Measuring range Brix [Min] 0 %  
Measuring range Brix [Max] 50 %  
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 1 ✓  
Readout coffee TDS 1 0,1 %  
Measuring range coffee TDS 1 [Min] 0 %  
Measuring range coffee TDS 1 [Max] 25 %  
Accuracy coffee TDS 1 ±0,2 %