

# KERN ORA 1GG

Refractive index measurement for laboratories and the industry

**KERN**

## Category

|                  |                        |
|------------------|------------------------|
| Brand            | Optics                 |
| Product category | Refractometer          |
| Product group    | Analogue refractometer |
| Product family   | ORA-G                  |

## Measuring System

|                                        |                     |
|----------------------------------------|---------------------|
| Area of application                    | Gemmology/Jewellery |
| Measuring method                       | Total reflection    |
| Scales                                 | Refractive index    |
| Measuring ranges                       | 1,30 nD - 1,81 nD   |
| Readabilities [d]                      | 0,01 nD             |
| Appropriate calibration liquid         | Methylene iodide    |
| Calibration block required             | ✓                   |
| Measurement temperature [Min] (°C)     | 10 °C               |
| Measurement temperature [Max] (°C)     | 30 °C               |
| Scale for Refractive index             | ✓                   |
| Measuring range refractive index [Min] | 1,30 nD             |
| Measuring range refractive index [Max] | 1,81 nD             |
| Readout refractive index               | 0,01 nD             |

## Construction

|                      |                                        |
|----------------------|----------------------------------------|
| Dimension (W×D×H)    | 137×70×32 mm                           |
| Contrasting methods  | Polarisation                           |
| Refractometer type   | Handheld refractometer                 |
| Scale - Display type | Analogue                               |
| Material prism       | ZLaF3 lanthanum flint glass nd=1.85544 |

## Functions

|                                 |   |
|---------------------------------|---|
| IP protection - complete device | - |
|---------------------------------|---|

## Environmental conditions

|                           |       |
|---------------------------|-------|
| Storage temperature [Min] | -5 °C |
| Storage temperature [Max] | 40 °C |

## Packing & Shipping

|                                        |                |
|----------------------------------------|----------------|
| Dimensions transport container (W×D×H) | 215×190×55 mm  |
| Delivery time                          | 1 d            |
| Dimensions packaging (W×D×H)           | 230×200×65 mm  |
| Shipping method                        | Parcel service |
| Net weight approx.                     | 0,75 kg        |
| Gross weight approx.                   | 0,85 kg        |
| Shipping weight                        | 0,81 kg        |

## Pictograms

### STANDARD

