

KERN ORA 4FA

KERN

Refractive index measurement for laboratories and the industry



| | |
|--------------------------------------------|--------|
| Readout ethylene glycol (°C) | 1 °C |
| Measuring range ethylene glycol (°C) [Min] | -50 °C |
| Measuring range ethylene glycol (°C) [Max] | 0 °C |

Construction

| | |
|----------------------|----------------------------------------|
| Dimension (W×D×H) | 160×40×40 mm |
| Refractometer type | Handheld refractometer |
| Scale - Display type | Analogue |
| Material prism | ZLaF3 lanthanum flint glass nd=1.85544 |

Functions

| | |
|------------------------------------|---|
| IP protection - complete device | - |
| Automatic temperature compensation | ✓ |

Environmental conditions

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

Packing & Shipping

| | |
|----------------------------------------|----------------|
| Dimensions transport container (W×D×H) | 205×75×55 mm |
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 215×94×65 mm |
| Net weight | 0,25272 kg |
| Shipping method | Parcel service |
| Net weight approx. | 0,30 kg |
| Gross weight approx. | 0,35 kg |
| Shipping weight | 0,305 kg |

Services (optional)

| | |
|----------------------------------------|---------|
| Article number for factory calibration | 961-290 |
|----------------------------------------|---------|

Pictograms

STANDARD



Category

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

Measuring System

| | |
|---------------------------------------------|-----------------------|
| Automatic temperature compensation (ATC) | ✓ |
| Measuring method | Light refraction |
| Area of application | Automotive |
| Appropriate calibration liquid | 0 % (distilled water) |
| Measurement temperature [Min] (°C) | 10 °C |
| Measurement temperature [Max] (°C) | 30 °C |
| Scale batterie fluid | ✓ |
| Readout batterie fluid | 0,01 kg/l |
| Measuring range batterie fluid [Min] | 1,10 kg/l |
| Measuring range batterie fluid [Max] | 1,40 kg/l |
| Scale propylene glycol (°C) | ✓ |
| Readout propylene glycol (°C) | 1 °C |
| Measuring range propylene glycol (°C) [Min] | -50 °C |
| Measuring range propylene glycol (°C) [Max] | 0 °C |
| Scale wash water | ✓ |
| Readout wash water | 5 °C |
| Measuring range wash water [Min] | -40 °C |
| Measuring range wash water [Max] | 0 °C |
| Scale for ethylene glycol (°C) | ✓ |