

# KERN ORA 4FA

Refractive index measurement for laboratories and the industry



## Category

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

## Measuring System

Measurement temperature [Min] (°C)	10 °C
Measurement temperature [Max] (°C)	30 °C
Measuring method	Light refraction

Scales	EG
	PG
	CW
	BF

Measuring ranges	-50 °C - 0 °C
	-50 °C - 0 °C
	-40 °C - 0 °C
	1,10 kg/l - 1,40 kg/l

Readabilities [d]	1 °C
	1 °C
	5 °C
	0,01 kg/l

Automatic temperature compensation (ATC)	✓
--	---

Scale windshield washer fluid	✓
-------------------------------	---

Measuring range batterie fluid [Min]	1,10 kg/l
--------------------------------------	-----------

Measuring range batterie fluid [Max]	1,40 kg/l
--------------------------------------	-----------

Readout batterie fluid	0,01 kg/l
------------------------	-----------

Scale batterie fluid	✓
----------------------	---

Measuring range ethylene glycol (°C) [Min]	-50 °C
--	--------

Measuring range ethylene glycol (°C) [Max]	0 °C
--	------

Readout ethylene glycol (°C)	1 °C
------------------------------	------

Scale for ethylene glycol (°C)	✓
--------------------------------	---

Measuring range propylene glycol (°C) [Min]	-50 °C
---	--------

Measuring range propylene glycol (°C) [Max]	0 °C
---	------

Readout propylene glycol (°C)	1 °C
-------------------------------	------

Scale propylene glycol (°C)	✓
-----------------------------	---

Measuring range windshield washer fluid [Min]	-40 °C
---	--------

Measuring range windshield washer fluid [Max]	0 °C
---	------

Readout windshield washer fluid	5 °C
---------------------------------	------

Appropriate calibration liquid	0 % (distilled water)
--------------------------------	-----------------------

Area of application	Automotive
---------------------	------------

## 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

Automatic temperature compensation	✓
------------------------------------	---

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

## Environmental conditions

Storage temperature [Min]	-5 °C
---------------------------	-------

Storage temperature [Max]	40 °C
---------------------------	-------

## Services (optional)

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

## Packing & Shipping

Dimensions transport container (W×D×H)	205×75×55 mm
--	--------------

Delivery time	1 d
---------------	-----

Dimensions packaging (W×D×H)	215×94×65 mm
------------------------------	--------------

Shipping method	Parcel service
-----------------	----------------

Net weight approx.	0,30 kg
--------------------	---------

Gross weight approx.	0,35 kg
----------------------	---------

# KERN ORA 4FA



Refractive index measurement for laboratories and the industry

Shipping weight 0,305 kg

## Product information

GTIN/EAN number 4045761483132

Trade number 90275000

REACH classification no prohibited substances

## Pictograms

### STANDARD

---

