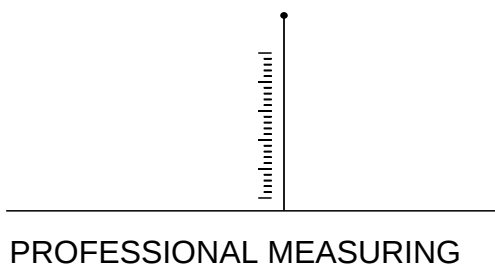
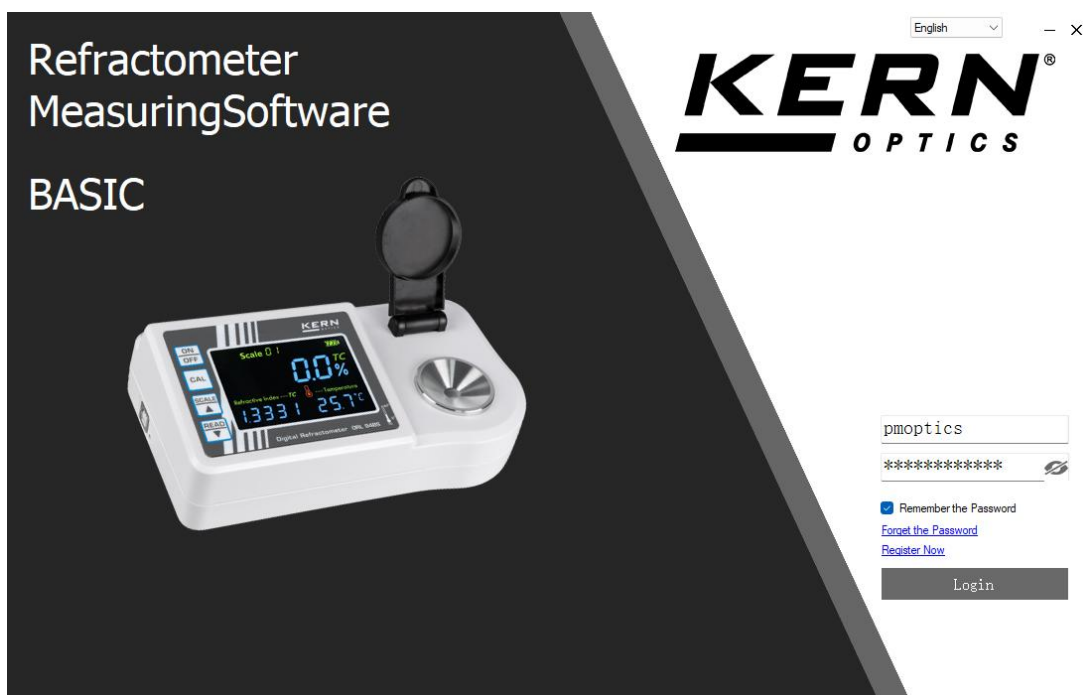




OXR-BASIC Measuring Software Refractometer

OXR 903

TOXR 903-A



PROFESSIONAL MEASURING

english version

Operating instructions BASIC Measuring Software Refractometer

Version 1.0
2025-01
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KERN Optics OXR 903

OXR-BASIC Measuring Software Refractometer

Operating instructions BASIC Measuring Software Refractometer

Version 1.0 2025-01 english version

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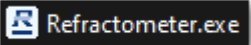
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1 Installation and operation of the software

1.1 Software Download

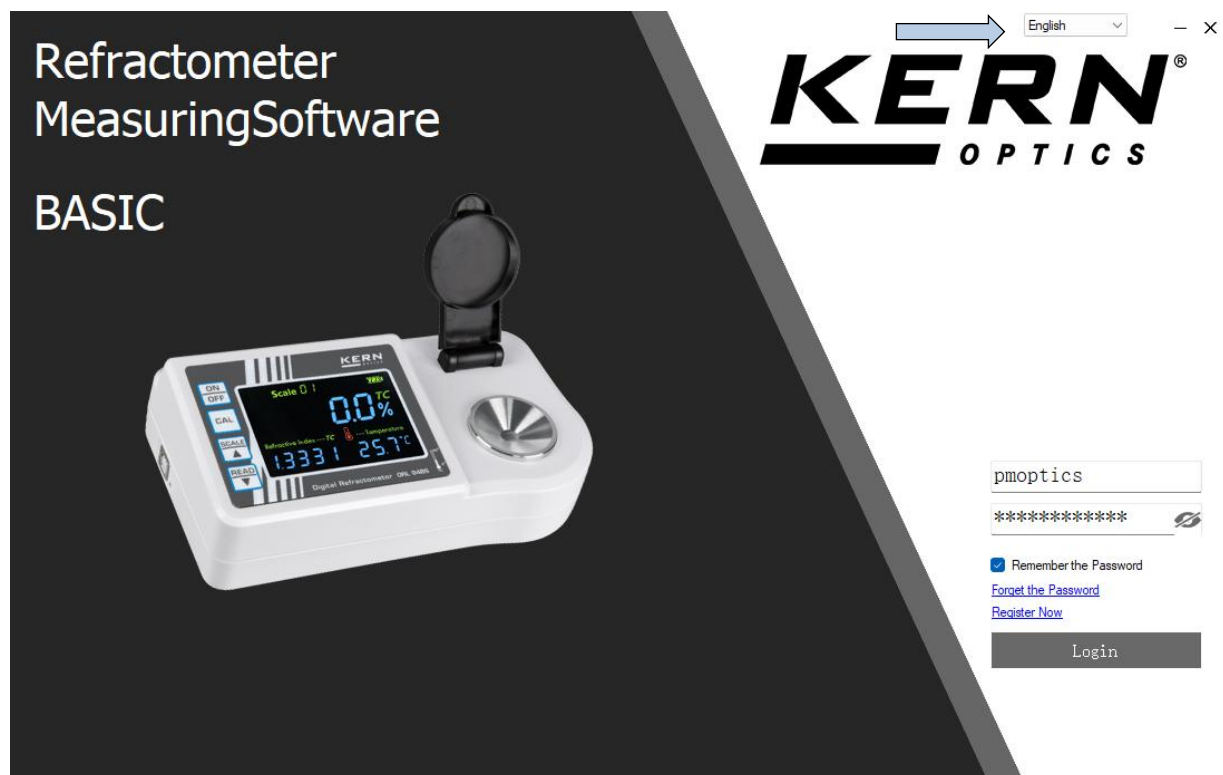
The free measurement software can be downloaded directly from
<https://www.kern-sohn.com/shop/de/DOWNLOADS/Software>

1.2 Installation of software

Run the  on your computer.

1.3 Select language

The language can be set via dropdown in the start screen at the top right.



1.4 Registration of the software

You must register the first time you log in.

To do this, select **Register now.**

☒ Remember the Password

[Forget the Password](#)

[Register Now](#)

Login

Fill in the empty fields and press **Register**

Registered Users

* Username:

Please enter your username.

* Password:

Please enter more than 8 bit passwords, and no spaces are allowed.

* Confirm :

Repeat the password you entered.

* Email:

Please enter your usual E-mail address.

Location:

--Please select--

▼

Real Name:

Please enter your real name.

Register

1.5 Connecting the refractometer to the computer

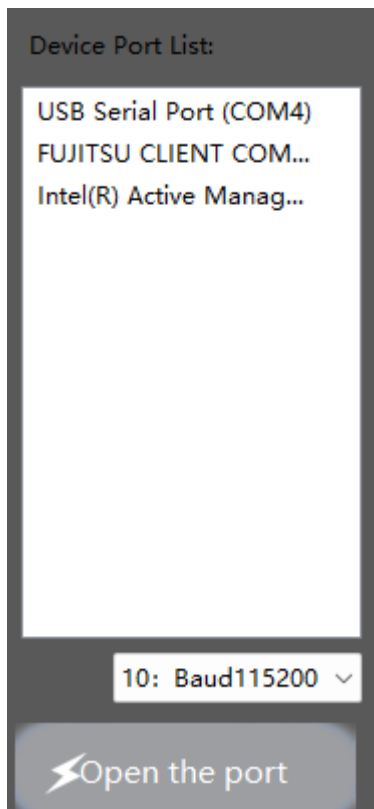
Now connect the refractometer directly to your computer using the USB cable supplied.



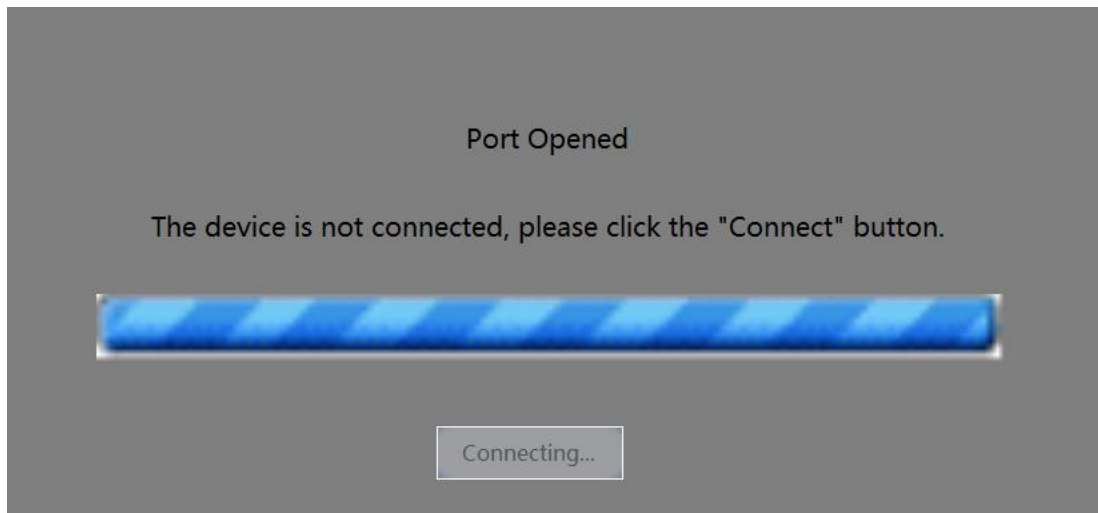
USB-Port

1.6 Select and connect interface

To do this, switch the refractometer on with the **ON/OFF** button, select the USB interface and press the **Open the port** button to activate it.



The software connects to the refractometer.

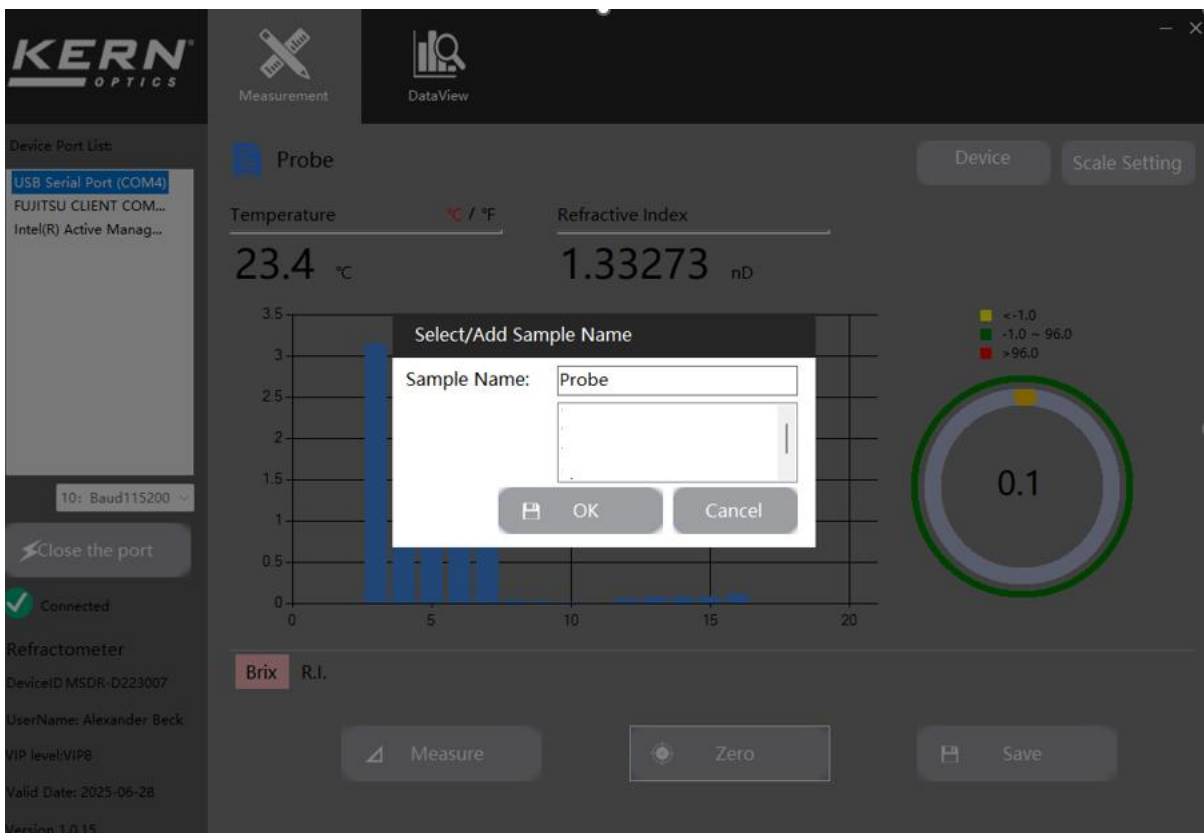


Once the connection has been established, the message Device successfully connected appears.

1.7 Measurements



a) Click on the Symbol to change the name



b) Switch the temperature unit by clicking on °C / °F

c) Refractive index display without temperature compensation

d) Setting the parameters. Up to 4 scales can be displayed here simultaneously. To do this, select the scales and confirm with **Save**.

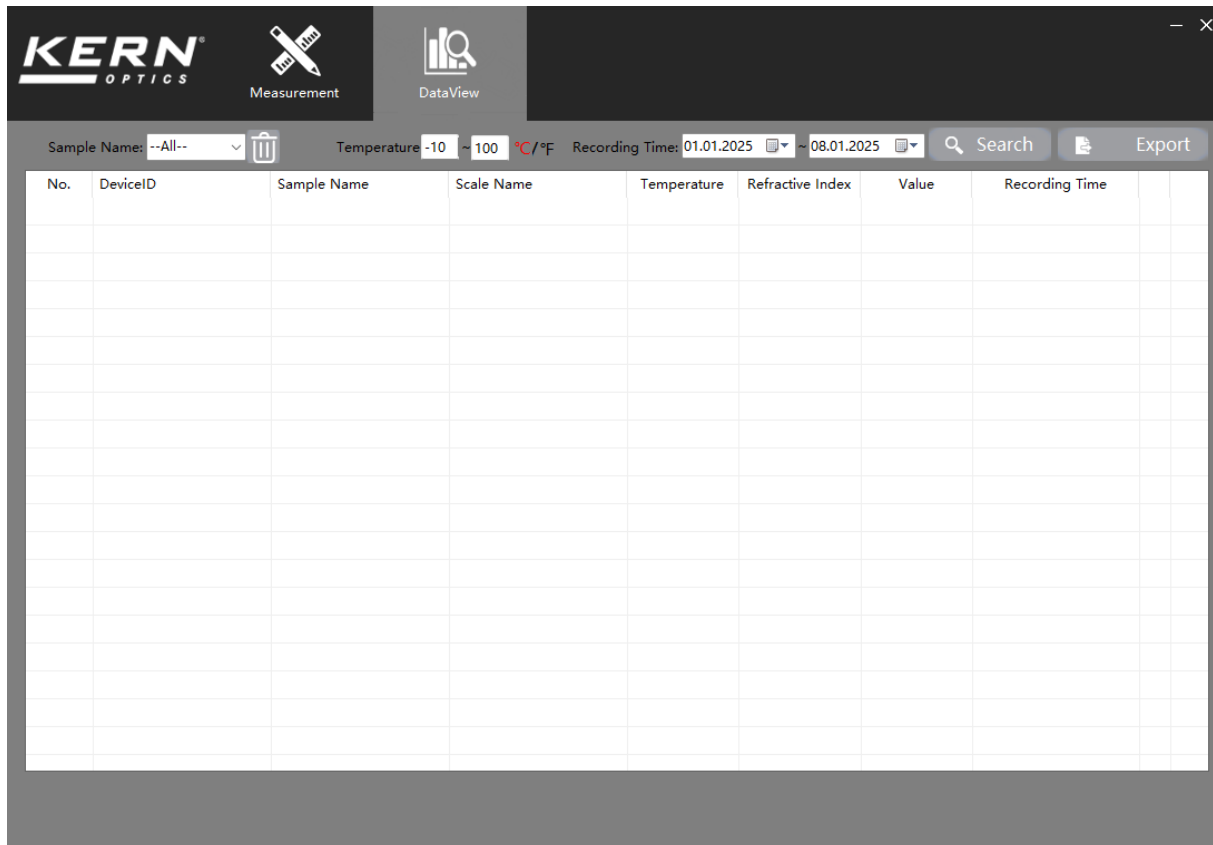
The screenshot shows the KERN OPTICS software interface. The top bar includes the KERN OPTICS logo and two tabs: 'Measurement' (active) and 'DataView'. On the left, a 'Device Port List' shows three ports: 'USB Serial Port (COM4)' (selected), 'FUJITSU CLIENT COM...', and 'Intel(R) Active Manag...'. Below this, a 'Close the port' button and a 'Connected' status indicator are visible. The main area is divided into four quadrants for 'Scale1', 'Scale2', 'Scale3', and 'Scale4'. Each quadrant contains a 'Select Scale' dropdown, a 'Range' field, and 'H-limit' and 'L-limit' input fields. At the bottom right, there are 'Save' and 'Cancel' buttons. The bottom left corner displays device information: 'Refractometer', 'DeviceID MSDR-D223007', 'UserName: Alexander Beck', 'VIP level:VIP8', 'Valid Date: 2025-06-28', and 'Version 1.0.15'.

Scale	Select Scale	Range	H-limit	L-limit
Scale1	Brix	-1 ~ 96	96.00	-1.00
Scale2	R.I.	1.31 ~ 1.5483	1.55	1.31
Scale3	Beer plato	-1°p ~ 30.5°p	30.5	-1
Scale4				

Upper and lower limit values can be defined depending on the range.

- e) The diagram shows the measured value. The color representation refers to the specified limit values.
- f) Here you can switch between the four scales
- g) Click on the **Measurement** button to carry out the measurement. Click on the **Save** button to record the data.

1.8 Exporting data



Switch to the **DataView** tab in the top bar to display your collected data. Here you have the option of filtering and **Export** your collected data.