



portable models



UniRefracto1 and UniRefracto2

## 1 2 3 4 Optech portable refractometers

Simple and precise instruments to analyse liquids and their dissolved solid content.

Except for two models, all Optech portable refractometers are equipped with an automatic temperature compensation device (ATC).

Supplied in plastic box with imitation-leather case and instruction manual.

| Type                  |                             | Readability                | PK | Cat. No. |
|-----------------------|-----------------------------|----------------------------|----|----------|
| RBC with ATC          | Tomato, oily emulsions, etc | 0-10% Brix                 | 1  | K71900   |
| RLC with ATC          | Fruit, fruit juices, milk   | 0-18% Brix                 | 1  | K71901   |
| RCS with ATC          | Salinity concentration      | 0-28% Brix                 | 1  | K71905   |
| RCZ with ATC          | General purpose             | 0-32% Brix                 | 1  | K71319   |
| RFC with ATC          | Jam, tomato juice or paste  | 28-62% Brix                | 1  | K71320   |
| RMM with ATC          | Honey, jam                  | 58-90% Brix                | 1  | K71902   |
|                       |                             | 12-27% Water               |    |          |
|                       |                             | 38-43° Baumé               |    |          |
| RPD with ATC          | Jam, tomato juice or paste  | 45-82% Brix                | 1  | K71314   |
| RPU                   | General purpose             | 0-80% Brix (2 scales)      | 1  | K7117    |
| RTS                   | General purpose             | 0-90% Brix (3 scales)      | 1  | K71316   |
| RBA                   | General purpose             | 0-90% Brix                 | 1  | K71318   |
| RMA with ATC          | Potential alcohol in wine   | 0-25% Vol                  | 1  | K71907   |
|                       | Sugar content in grapes     | 0-40% Brix                 |    |          |
| RMB with ATC          | Potential alcohol in wine   | 0-25% Vol                  | 1  | K71908   |
|                       | Density                     | 0-20° Baumé                |    |          |
| RBB with ATC          | Potential alcohol in wine   | 0-25% Vol                  | 1  | K71321   |
|                       | Sugar content in grapes     | 0-40% Brix                 |    |          |
|                       | Density                     | 0-22° Baumé                |    |          |
| RBO with ATC          | Oenology                    | 0-140° Oechsle             | 1  | K71196   |
|                       | Sugar content in grapes     | 0-25° Babo                 |    |          |
|                       |                             | 0-32% Brix                 |    |          |
| PAL 1 (Atago)         |                             | 0.0 - 53.0 % Brix          | 1  | 9801375  |
| WM-7 with ATC (Atago) |                             | 0-45 % Brix                | 1  | 9801345  |
|                       |                             | 0-26.0 % Potential Alcohol |    |          |
|                       |                             | ±0,2%                      |    |          |
|                       |                             | ±1°                        |    |          |
|                       |                             | ±0,2°                      |    |          |
|                       |                             | ±0                         |    |          |
| uniREFRACTO 5 pro     |                             | 0-95% Brix                 | 1  | 6263632  |
|                       |                             | 1,3300-1,5400 nD           |    |          |
|                       |                             | 0.0001 RI                  |    |          |
| Atago PAL-83S         |                             | 0-40° Babo                 | 1  | 6320552  |
|                       |                             | 0-50% Brix                 |    |          |
|                       |                             | 0.1% Brix                  |    |          |
| RFM712, digital       |                             | 0-50% Brix                 | 1  | 6284799  |
| RA-130                | RI and related parameters   | 1.3200 - 1.5000 nD         | 1  | RA130    |
|                       |                             | 0-85% Brix                 |    |          |
|                       |                             | 0.1%                       |    |          |
|                       |                             | Temperature: 0-40 °C       |    |          |
| BX1                   | Portable Brix reader        | 0-85% Brix                 | 1  | BX1      |

Other models available on request

### 3 RA-130 measures the refraction index (RI) and related measures

(nD, Brix and three different conversion tables for sucrose and isomerized sugar HFCS42, HFCS55).

#### Tables of planned concentration

are available, such as 10 temperature coefficients freely definable e storable by the user for automatic compensation.

The measure can be carried out by immersing the cell in the sample or placing a drop of sample on the prism.

#### Other features:

- Calibration with distilled water
- Data memory: for 1100 results
- Data transfer to PC via IR port
- Power supply: 2 x 1,5 V batteries



RA-130

### 4 Portable brix-meter BX-1

- Compact, reliable and waterproof instrument
- Possibility to use it both with the right and with the left hand
- The wide measuring range allows to measure all types of food (drinks, wine and musts, fruit, etc ...)
- Direct calibration with distilled water
- Energy-saving batteries can run for over 30.000 measurements

#### Other features:

- Temperature: 10 - 75 °C
- HR: less than 85%
- Power supply: 2 batteries (about 30.000 measurements)
- Protection class: IP65
- Standard equipment: 2 batteries, instruction manual



BX-1