

## EASY DIET

### lab refractometer

The DR10 Easy-Diet™ laboratory analyzer is an innovative automatic system able to measure the concentration of diet or sugar-free carbonated soft drinks, flavored water and energy drinks. A single analyzer which simultaneously replaces: HPLC units, spectrophotometers, titrators and other manual systems and methods. The DR10 indicates the concentration in %STANDARD, in equivalent Total Acidity, Brix and RD (refractometric degree).

Measuring cycle is usually carried out in less than 7 minutes.

The system is completely automated and extremely simple and easy to use; just pour the sample into the beaker and press the start button to start the analysis. No expert operators are required since no specific analysis methodologies or sample preparation (conditioning) procedures are needed. This also has an impact on the total reduction of risks related to chemical hazards since no special reagents are needed for the conduction of the analysis.

The presence of a touch-screen display helps the operator interface.

The analyzer is supplied as an integrated unit, with a sleek, practical and sturdy design. The analyzer has a PC embedded based on Microsoft® Windows® Operating System managing user interface and connection to the company's Ethernet network for exporting data.



#### Benefits

- Measures the concentration of all types of diet / regular drinks and diet syrups
- High accuracy with all types of beverages
- Quick measurement
- Fully automatic with no sample preparation
- No need of skilled operators

# DR10

LAB DIFFERENTIAL REFRACTOMETER

DIET

## IB08 - Beverage Analyzer

The beverage analyzer IB08 is the only system able to measure accurately any kind of beverage in the portfolio of a soft drinks bottling plant including diet, beverages with fibers and flavored waters. The equipment is based on optical technology: refractive index for Bx/Diet measurement and infrared for CO<sub>2</sub> one (P/T based CO<sub>2</sub> analyzer also available upon request).



## OPERATING SPECIFICATION

|                              |   |
|------------------------------|---|
| Measurement range:           | 0...20 RD   |
| Accuracy:                    | 0.5% of measurement, max accuracy 0.00125 RD                  |
| Measurement scales:          | %STANDARD; Total Acidity; Brix; RD                            |
| Analysis Cycle time:         | 7 minutes for a complete cycle                                |
| Quantity of analyzed sample: | Product: ~100 cc for each test<br>Water: ~50 cc for each test |

## TECHNICAL FEATURES

|                      |   |
|----------------------|---|
| Product temperature: | 5...25°C (41...77°F)  |
| Power supply:        | AC 100...240V +/- 10%, 47...63Hz, 150VA   |
| Interfaces:          | ETHERNET: RJ45 for external connection<br>USB: type A for external connection<br>PS/2: MiniDIN 6 P.F. for keyboard and mouse connection |

*Please refer to the technical datasheet for further data.*

More products  
for the analysis of  
liquids concentration

### LP10

Laboratory Soft Drink  
Analyzer



Laboratory – Diet, Brix, Fresh  
Brix, CO<sub>2</sub>

### IB08

Beverage Analyzer



In Line - Bx / Diet / CO<sub>2</sub>

### Sales and service benelux

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