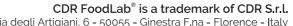


	TEST	Measuring range	Repeatability	Resolution	Testing time
	Fermentable sugars on beer (glucose, fructose,	0.1 - 200 g/L	0.15 g/L	0.1 g/L	6 min
	maltose, maltotriose)	0.1 200 g/L	0.10 g/L	0.1 g/L	O IIIIII
	Fermentable sugars on wort (glucose, fructose, maltose, maltotriose, sucrose)	15 - 200 g/L	2 g/L	1 g/L	6 min
	Lactic Acid D+L	150 - 3500 ppm	2 ppm	1 ppm	10 min
	Bitterness	5 - 80 IBU	1.0 IBU	0.1 IBU	11 min
	Color	EBC 1-100 SRM 0.5-50.0	EBC 1 SRM 0.5	EBC 1 SRM 0.1	1 min
	Alcohol by volume	0.001 - 0.1% vol	0.002% vol	0.001% vol	11 min
	Alcohol by volume	0.1 - 2% vol	0.02% vol	0.01% vol	11 min
	Alcohol by volume	2 - 17 % vol	0.2% vol	0.1% vol	11 min
	VDKs	0.05 – 2 mg/L	0.03 mg/L	0.01 mg/L	5 minutes + distillation time
	Yeast Vitality	0.5 – 2.6 AP	0.2 AP	0.1 AP	25 min
	pH wort	3.60 - 6.00	0.02	0.01	1 min
	Starch	0.1 - 5 g/L	0.05 g/L	0.01 g/L	1 min
	Carbohydrates	2.0 - 80.0 g/L	0.6 g/L	0.1 g/L	13 min
	Acetic acid	20 - 220 mg/L	3 mg/L	1 mg/L	6 min
	FAN (beer and wort) Free Amino Nitrogen by OPA	30 - 300 mg/L	4 mg/L	1 mg/L	4 min
	Total SO ₂	1.0 - 30.0 ppm	0.2 ppm	0.1 ppm	2 min
	Polyphenols	5 - 550 mg/L	4 mg/L	1 mg/L	5 min

In only 15 minutes is possible to analyze up to 16 samples with CDR BeerLab* and up to 3 with the Junior model.

	TEST	Measuring range	Repeatability	Resolution	Time test
Water	Calcium	20 - 250 ppm	3 ppm	0.1 ppm	1 min
	Magnesium	2.0 - 50.0 ppm	1 ppm	0.1 ppm	1 min
	Bicarbonate	1 - 300 ppm	5 ppm	1 ppm	10 min
	Chloride	15 - 500 ppm	5 ppm	1 ppm	1 min
	Potassium	5 - 500 ppm	5 ppm	1 ppm	1 min
	Sulfate	10 - 250 ppm	5 ppm	1 ppm	1 min
	Zinc	0.05 - 1 ppm	0.03 ppm	0.01 ppm	1 min
	Alkalinity	5 - 600 mg/L	11 mg/L	1 mg/L	10 min





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Fast

Reliable Easy



CDR BeerLab® is composed of a thermostated analyzer based on **photometric technology** that uses **LED**; a kit with disposable pre-vialed **reagents** with **low toxicity**, in package of 10 tests, developed and produced by the research laboratories of CDR.



Just few steps are required to perform a test. The **HELP function** on the display will lead you step by step through the process.

Reduced testing times

With CDR BeerLab® now it is possible to perform the analyses autonomously, in your own brewery, easily and rapidly, without relying on dedicated external laboratories.

It is possible to **analyze 16 samples at the same time** (with the **CDR BeerLab**® **model**) and to monitor constantly the production process,

obtaining in few minutes exact and accurate answers.

Easy to use

The system is designed to be used by anyone, without the support of skilled staff.

The analysis methods are easier than the traditional ones and can be performed in few steps:

1 Adding the sample volume to the pre-vialed reagent.

2 Following the displayed instructions and if there is ever a doubt, the **HELP function** will lead you through the process.

3 Results are automatically calculated, displayed and printed.

Reliable

This measuring system owes its **sensitivity**, **accuracy and reliability** to the photometric technology based on LED luminous sources. The **results** of the analyses are **correlated** with the reference methods.









Display

5,7" TFT color LCD touchscreen

4,3" Wide TFT color LCD touchscreen

Connectivity

1 USB type B to transfer the database of the performed tests and update the configuration and software and PC connection 1 USB type B to transfer the database of the performed tests and update the configuration and software and PC connection

1 USB type A 1 Ethernet (LAN) Bluetooth 4.0 Bluetooth 2,1

Storage of results

Internal memory to store thousands results of analyses in CSV and XML files, compatible with all database formats (e.g.:XLS, SQL).

Internal memory to store thousands results of analyses in CSV and XML files, compatible with all database formats (e.g.:XLS, SQL).

Photometric module

6 different wavelengths in 4 reading cells

6 different wavelengths in 4 reading cells

Incubation module

37°C thermostat block with 16 positions

37°C thermostated block with 3 positions

Connection with barcode scanner and QR code

Yes, via bluetooth

No

Number of samples you can analyze at the same time

16

3

Multitasking mode (possibility to perform more analyses on the same sample)

Yes

No

Printer

Graphic printer on board 80 mm width

Absent

Dimension and weight

32 x 29,5 x 13 cm (W x D x H) 2,80 Kg

15 x 22 x 8,3 cm (W x D x H) 0,80 Kg

Nower supp

24

24 V or lithium ion battery (optional)

CDR BeerLab® Junior is configured as you like.