

TEST	Measuring range	Repeatability	Resolution	Testing time
Acetic acid	0.08 – 1.90 g/L H ₂ SO ₄	0.02 g/L	0.01 g/L	6 min
L-Malic acid	0.05 – 5.00 g/L	0.05 g/L	0.01 g/L	4 min
Free SO ₂	1 – 60 mg/L	1.5 mg/L	1 mg/L	2 min
Total SO ₂	15 – 250 mg/L	2.5 mg/L	1 mg/L	1 min
L-Lactic acid	0.05 – 4.00 g/L	0.05 g/L	0.01 g/L	6 min
+Sugars cider	0.1 – 18.0 g/L	0.2 g/L	0.1 g/L	6 min
+Sugars cider and must	15 – 350 g/L	2 g/L	1 g/L	6 min
pH	3.00 – 4.00	0.02	0.01	1min
Total acidity	0.7 – 6.5 g/L H ₂ SO ₄	0.13 g/L	0.1 g/L	1 min
Alcohol by volume	0.1 – 17.0% vol.	0.2% vol.	0.1% vol.	5 min
Yeast Assimilable Nitrogen organic, inorganic	30 – 600 mg/L	2 mg/L	1 mg/L	4 min
Glycerol	2.0 – 15.0 g/L	0.3 g/L	0.1 g/L	6 min
*+Glucose, fructose cider	0.1 – 18.0 g/L	0.2 g/L	0.1 g/L	6 min
*+Glucose, fructose cider and must	15 – 350 g/L	2 g/L	1 g/L	6 min
*Total polyphenol index (O.D. 280nm)	1.0 – 100.0 280nm	0.4 OD 280nm	0.1 OD 280nm	11 min

* Available only with the model CDR CiderLab

*In addition to sugars determination (glucose and fructose) it is possible to detect sucrose as well.

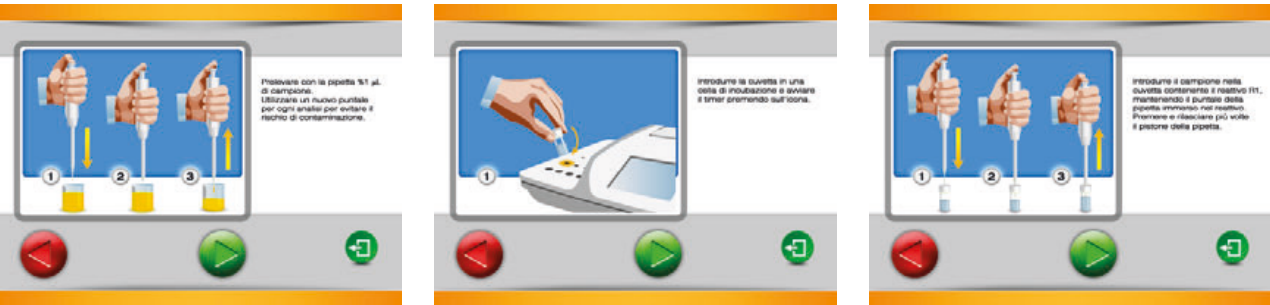


CDR CiderLab VER. 3.1 oel



THE SYSTEM

CDR CiderLab 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, **1 year shelf life**, 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

CDR CiderLab is so easy to use that it can be utilized not only in a laboratory, but **straight in the production plant**, even by personnel with no previous specific lab tech experience. It is possible to **analyze 16 samples at the same time** (with the **CDR CiderLab 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	
2 USB 2.0 to transfer the database of performed tests and update the configuration and software	1 USB type B for technical service and PC connection
1 USB type B for technical service and PC connection	Bluetooth 2.1
1 Ethernet (LAN)	
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 thermostated block with 16 positions	37°C thermostated block with 3 positions
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
Power supply	
24 V	24 V or lithium ion battery (optional)
Configuration / Analyses	
Configuration with the full panel of analyses	Configuration with tailored panel of analyses