BEERLab®

Onsite Analysis System for Beer and Wort

Rapid Results, Real Answers Sooner

AMSL Scientific has provided innovative solutions to food and beverage processors and laboratories since 1991.

The CDR BeerLab® System

The CDR BeerLab is an onsite analysis system built to analyse beer, wort and water, in one compact device. It is designed to perform process controls during each phase of your brewing process.

CDR BeerLab is composed of a thermostated analyser based on photometric technology, and is equipped with LED emitters, reading cells and 37°C thermostated incubation cells.

Water is tested as is, while beer and wort require a fast and simple sample preparation with pre-vialed, disposable reagents (minimal toxicity).

Easy to Use

The system is designed to be user friendly and can be used by anyone.

The analysis methods are simpler than the traditional methods and can be performed in only a few steps:

1. Add the sample volume to the pre-vialed reagent, if required
2. Follow the displayed instructions and if there is any hesitation, the HELP function can be activated to guide you through the process, step by step
3. Results are automatically calculated, displayed and printed*

Fast Results

With CDR BeerLab, analyses can be easily and rapidly performed in your own brewery, without the reliance on dedicated external laboratories.

In **only 15 minutes**, you can analyse 16 samples at the same time*.

Reliability and Accuracy

CDR BeerLab owes its sensitivity, accuracy and reliability to its photometric technology. Additionally, the results of the analyses are automatically correlated with reference methods.

CDR BeerLab is available in two models:
CDR BeerLab and **CDR BeerLab Junior**.

Which Model is right for your Brewery?

	BEERLab®	BEERLab® Jr.
Display	5,7” TFT colour LCD touchscreen	4,3” Wide TFT colour LCD touchscreen
Connectivity	• 2 x USB 2.0 to transfer the database of results and update the configuration and software • 1 x USB type B for technical service and PC connection • 1 Ethernet (LAN) port	• 1 x USB type B for technical service and PC connection • Bluetooth 2.1
Storage of results	Internal memory to store results as CSV and XML files, compatible with all database formats (e.g. XLS, SQL)	Internal memory to store results as 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 thermostat block with 3 positions
Number of samples that can be analysed at the same time	16	3
Multitasking mode (Ability to perform different tests on the same sample)	Yes	No
Printer	Graphic printer on board, 80 mm width	Absent
Dimensions and weight	32 x 29.5 x 13 cm (W x D x H), 2.8 kg	15 x 22 x 8.3 cm (W x D X H), 0.8 kg
Power supply	24 V	24 V or lithium ion battery (optional)
Beer analysis	Yes	Yes, except bitterness
Water analysis	Yes	No

Tests available on CDR BeerLab

	Test	Measuring range	Repeatability	Resolution	Testing time
Beer	**Fermentable sugars in beer** (glucose, fructose, maltose)	0.1 -18 g/L	0.15 g/L	0.1 g/L	6 min
	Fermentable sugars in wort (glucose, fructose, maltose, 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 - 100 IBU	0.5 IBU	0.1 IBU	11 min
	Colour	EBC 1 - 100 SRM 0.5 - 50	EBC 1 SRM 0.5	EBC 1 SRM 0.1	1 min
	Alcohol by volume	0.1 -17.0% v/v	0.2% v/v	0.1% v/v	6 min
	pH wort	3.60 - 6.00	0.02	0.01	1 min
	Starch	0.10 -10.0 g/L	0.05 g/L	0.01 g/L	1 min
	FAN (Free Amino Nitrogen by OPA)	30 - 300 ppm	2 ppm	1 ppm	4 min
	Total SO_2	1 - 30 ppm	0.2 ppm	0.1 ppm	2 min
Water*	**Calcium**	5 - 250 ppm	0.5 ppm	0.1 ppm	1 min
	Magnesium	2 - 50 ppm	0.5 ppm	0.1 ppm	1 min
	Bicarbonate	0 - 300 ppm	1 ppm	1 ppm	10 min
	Chloride	100 - 500 ppm	1 ppm	1 ppm	1 min
	Potassium	50 - 500 ppm	1 ppm	1 ppm	1 min
	Sulfate	20 -250 ppm	1 ppm	1 ppm	1 min
	Zinc	0.05 - 1 ppm	0.03 ppm	0.01 ppm	1 min

For more information or to arrange a demonstration to see the benefits for yourself, please contact us on **(02) 9882 3666 or orders@amsl.com.au**

amsl.com.au

amsl scientific

*Only available on CDR BeerLab Model

PR-100-212 Feb 2018