

# CO<sub>2</sub>-CS Automatic CO<sub>2</sub> Calculating System



Automatic piercing system & Control panel



Innovative shaking system

CO<sub>2</sub>-CS Automatic CO<sub>2</sub> Calculating System is an innovative and full automatic CO<sub>2</sub> content calculating system which is newly developed by AT2E. With the innovative shaking system and design, it will be safer for operator. Integrate touching screen design offers a user friendly operating process and abundant measuring information.

## Features:

- Full automatic system – easy to get the CO<sub>2</sub> content only by putting the sample into the system and the whole process including puncture, sealing, shaking, displaying and venting will be carried out automatically.
- Stainless steel design – which is more durable and steady when testing.
- Innovative shaking method – Allow the shaking of sample and the CO<sub>2</sub> evolution to be more complete. Thus, the measure result will be more accurate. Meanwhile, with the innovative design, it avoids any mechanical maintenance problems which may occur on typical rotary shaker.
- Safety design – the whole shaking process is carried out inside the chamber which may avoid the potential danger to operator.
- PLC & Touch screen is equipped – which enable the more accurate measure and customized measure request. Shaking time and shaking speed can be set according to operator's demand.
- Abundant information – operator, product name, batch number and sample number can be edited and saved with the system.
- 2 formulas – for alcohol drink and soft drink, 2 different CO<sub>2</sub> calculating formulas could be selected as per demand.
- Threshold display – results which are higher and lower than the standard will be displayed.
- SPC connected is available.
- Easy clean for leftover drink in shaking system.

**Technical specifications:**

- Power supply: 230V/50Hz
- Sample range: up to 120mm in diameter / up to 360mm in height.
- CO<sub>2</sub> measuring range: 0 – 9.99 g/L.
- Temperature measuring range: -10 to 60 °C
- Pressure measuring range: 0 – 6 bar.
- Accuracy: ±0.01 g/L (CO<sub>2</sub>), ±0.1 °C (temperature), ±0.01 bar (pressure).
- CO<sub>2</sub> content units: “g/L”, “Volume”, “Weight%” and “P20[kg/cm<sup>2</sup>]”.
- Temperature units: °F and °C
- Language: English / French / Spanish / Chinese.
- Overall size (L x W x H): 104x54x106 cm.
- Net weight: 100 kg.

**Optional parts:**

- Insert for different size of bottle
- Calibration pack