

HAFFMANS c-DGM & ISD

FLORIDA BEER COMPANY

KEY FACTS

Customer

- Florida Beer Company

Location

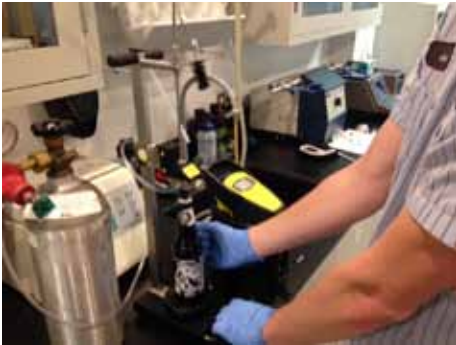
- Melbourne, FL USA

Beer Production

- 50,000 barrels and growing
- Multiple brands (28 +)
- Speciality: German style lagers & pilsner

Equipment Supplied

- c-DGM & an Inpack 2000 Sampling Device, type ISD



The c-DGM is a versatile tool for checking dissolved CO₂ and O₂ content throughout the process. The ISD is a robust instrument for sampling without air intake and is particularly suitable for determining the DO and CO₂ content when used in with the c-DGM.

The Challenge

As a growing regional craft brewer, Florida Beer moved into a new 60,000 square foot brewery in 2014. As part of this expansion the brewery invested in a wide range of new equipment, including analytical instruments. Previously, Florida Beer only tested for carbon dioxide (CO₂) levels. Director of Operations Luke Erdody wanted to assure that all of the products leaving the brewery met standards every time. To accomplish this Florida Beer tested and then purchased the Haffmans' c-DGM that provides CO₂ and optical oxygen (O₂) measurements.

Haffmans' Solution

Within two days of receiving and using the Haffmans c-DGM, Florida Beer discovered that there was an issue with O₂ levels "We were not adequately purging with CO₂," Erdody said. "A lot of it came down to properly purging tanks and lines."

Florida Beer revamped its entire procedure and process for transfer from the fermentation vessel to the bright beer tank. They now track CO₂ and O₂ levels all the way to the filler and are able to keep the O₂ at 0-15 ppb in bottled product. By opting for the bottle piercing unit, which has proven invaluable, it has given a complete picture of the entire process. "Given that we are a regional craft brewer and our beer is moving further away from the brewery it is important we have the confidence that all of our products have a good, stable shelf life," Erdody said.

As an added bonus, before using the c-DGM, taking CO₂ readings was a hassle and inconsistent, according to Erdody. "Now everyone is consistently taking readings and excited to use the c-DGM due to its ease of operation. We are also extremely pleased with the repeatability of our results."

Additional Benefits to Florida Beer

- Easy to access data between shift changes
- Creates a level of accountability for employees
- In the lab the software provides all the data employees need for the day
- Gives confidence in collecting accurate, usable data



Within two days of when Luke Erdody first used the Pentair Haffmans CO₂/O₂ Gehaltemeter at Florida Beer he found issues with O₂ levels that a process change corrected.