

# Your brand, your quality, your beer

## Expand your beer analysis

It's valuable, affordable, and easy to implement

You take pride in the quality of your beer. As your brewery grows, so too will your analytical testing needs. Ensuring batch-to-batch consistency is essential to maintaining your beer's identity and the success of your brand. When you are ready to expand your testing panel, a Thermo Scientific™ GENESYS™ UV-Vis Spectrophotometer with Thermo Scientific™ BeerCraft™ Software will be a valuable addition to your QA/QC laboratory. Add in-process testing of wort, yeast, malt, and hops to ensure the perfect batch, every time.

### BeerCraft Software Advantages

Twenty of brewing's most important analytical methods are preprogrammed into the software enabling simple sample analysis and results calculation.



Preprogrammed methods make testing beer quality quick and easy—even for the non-scientist.

The size, simplicity, and cost-effective operation of a UV-Vis spectrophotometer and the variety of tests available make it an ideal instrument for beer analysis.



GENESYS 150 UV-Vis Spectrophotometer.

Perform measurements to confirm the quality of finished beer and evaluate quality during the brewing process.



Simplify your expanded production with BeerCraft Software.

# Your best beer, every time, with BeerCraft Software

## Implement analytical testing for more consistent beer brewing

- UV-Visible spectrophotometers help breweries meet their quality standards by offering quick and affordable testing as well as more versatility compared to limited instrumentation like a colorimeter
- BeerCraft Software offers 20 preprogrammed ASBC methods to simplify beer quality analytical testing



## Thermo Scientific™ GENESYS™ UV-Vis Spectrophotometer

Our GENESYS instruments are trusted in QC labs worldwide by breweries that require fast, reliable measurements.

- **Walk-up convenience** provided through a simple-to-use, high definition touchscreen interface
- **Sampling flexibility** offers single cell analysis and high throughput with 8-cell changer increasing productivity and efficiency
- **Built to last** for repetitive use and demanding environments
- **Advanced connectivity** allows printing directly from onboard controls using the Wi-Fi USB adaptor

## BeerCraft™ Software

| Beer methods <sup>1</sup>  |                     |                           |
|----------------------------|---------------------|---------------------------|
| α- and β-acids             | Diacetyl            | Reducing sugar            |
| Alcohol low concentrations | Dissolved oxygen    | Thiobarbituric acid index |
| Alpha-amylase              | Flocculation        | Total carbohydrate        |
| Beer bitterness units      | Free amino nitrogen | Total polyphenols         |
| Beer color                 | Iron                | Tristimulus color         |
| Beer protein               | Iso-α-acids         | Wort bitterness units     |
| Beer total sulfur dioxide  | Malt sulfur dioxide |                           |

<sup>1</sup>BeerCraft Software methods are derived from the American Society of Brewing Chemists (ASBC) Methods of Analysis 14th Edition.

| Part number   | Description                                      |
|---------------|--|
| 16338847      | BeerCraft Software                               |
| 15800002      | GENESYS 50 UV-Vis Spectrophotometer              |
| 15830002      | GENESYS 150 UV-Vis Spectrophotometer             |
| 15560592      | Printer accessory for GENESYS spectrophotometers |
| Contact Sales | GENESYS 8-position carousel accessory            |
| 15846105      | Wi-Fi adaptor for GENESYS spectrophotometers     |

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