

Alcolyzer 3001

Selective alcohol determination in alcoholic beverages

Selective Alcohol Determination at Unmatched Speed

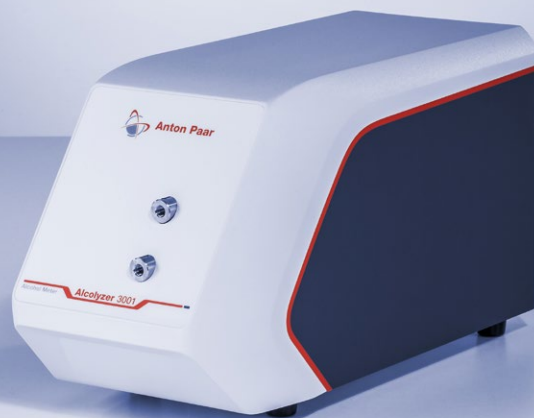
The heart of Alcolyzer 3001 is its selective alcohol measurement method, enabling direct alcohol determination in alcoholic beverages.

Alcolyzer 3001 uses a narrow, highly alcohol-specific range in the NIR spectrum to selectively quantify alcohol content within two minutes.

It's available in the exact right configuration for your measuring task – whether specifically for beer, low- and non-alcoholic beer, hard seltzer, kombucha, cider, whisky, cognac, rum, tequila, or wine.

Highlights

- Selective alcohol determination in alcoholic beverages.
- Independent sample adjustment with water and a binary ethanol/water solution only.
- Modular configurations: Define your analysis solution according to your needs with optional density/extract, color, pH, turbidity, CO₂, and O₂ measurement.
- Compliance with various acknowledged standards, such as EBC, MEBAK, ASBC, BCoJ, and OIV.



TECHNICAL SPECIFICATIONS

ALCOHOL MEASURING RANGE

Alcolyzer 3001 Beer	0 %v/v to 12 %v/v
Alcolyzer 3001 Wine	0 %v/v to 20 %v/v
Alcolyzer 3001 Spirits	35 %v/v to 65 %v/v
Alcolyzer 3001	0 %v/v to 12 %v/v (for beer) 0 %v/v to 20 %v/v (for wine) 35 %v/v to 65 %v/v (for spirits)
Repeatability s.d.	0.01 %v/v

COLOR (OPTIONAL)

Measuring range	0 EBC to 120 EBC (0 ASBC to 60.69 ASBC)
Repeatability s.d.	0.1 EBC (0.05 ASBC)

TEMPERATURE

Measuring temperature	15 °C, 20 °C, or 25 °C (59 °F, 68 °F, or 77 °F)
Repeatability s.d.	0.01 °C
Typical measuring time	2 minutes
Sample volume	Approx. 5 mL
Max. operating pressure	8 bar (116 psi) relative pressure
Temperature control	Built-in solid state thermostat (Peltier)
Environmental conditions (EN 61010)	Indoor use only
Ambient temperature	15 °C to 32 °C (59 °F to 89.6 °F)
Air humidity	Non-condensing 20 °C: <90 % relative humidity 25 °C: <60 % relative humidity 30 °C: <45 % relative humidity
Power supply	DC 24 V via the master instrument
Dimensions (L x W x H)	366 mm x 156 mm x 201 mm (14.4 in x 6.1 in x 7.9 in)
Weight	8.4 kg (18.5 lbs)