



## pH 3101 / pH 3201 measuring module

The pH 3101 / pH 3201 measuring modules enable the simultaneous determination of the pH value along with other quality parameters. Versatile configurations allow pH measurements under pressures of up to 6 bar in a variety of liquids ranging from all types of beverages to chemicals.

# pH 3101 and pH 3201

The pH value is an important parameter in the production of a variety of products, ranging from food and beverages, such as beer, to chemical substances. Verifying the pH value ensures consistency in various production steps and is therefore a crucial parameter in quality control.

## Highlights

- simultaneous determination of the pH value along with other quality parameters
- integrated wizards for simplified and guided adjustment procedures
- pH 3101: Optimized for pH analysis in Beverage Analyzing Systems
- pH 3201: Suitable for operation in Packaged Beverage Analyzers with operating pressures up to 6 bars and the automatic correction of the pH value for the impact of dissolved CO<sub>2</sub>



### TECHNICAL SPECIFICATIONS

Measuring range	pH 0–14
Repeatability s.d.	0.02 (in the range pH 3–7)
Digital resolution	0.01

### MAX. PRESSURE OF THE PH MEASURING CELL

pH 3101	– (not pressure-resistant)
pH 3201	8 bar (116 psi)

### TOLERANCE OF THE PH ELECTRODE

Slope	–63.89 mV/pH to –54.43 mV/pH
Offset	–30 mV to +30 mV
Required diameter of the pH electrode	12 mm
Required length of the pH electrode	120 mm

### PH ELECTRODES AVAILABLE AT ANTON PAAR (A)

for applications at atmospheric pressure:	Hamilton Polilyte Lab (b) Hamilton Foodtrode (b) (recommended for beverages)
for applications at pressures up to 8 bar (116 psi):	Endress + Hauser CPS11 (b)
Sample volume approx.	6 mL
Environmental conditions	indoor use only
Ambient temperature	15 °C to 35 °C (59 °F to 95 °F)
Operation temperature	15 °C to 35 °C (59 °F to 95 °F)
Air humidity	10–90 % relative humidity, non-condensing
Pollution degree	2
Power supply	by the master instrument
Dimensions (L x W x H)	150 mm x 70 mm x 160 mm (5.9 in x 2.8 in x 6.3 in)
Weight approx.	0.5 kg (1.1 lbs)

a If you use other pH electrodes, check their suitability prior to use.  
b See the instruction manual of the pH electrode for detailed technical data.

Your distributor: