

THE NEXT GENERATION CO₂ analyzer for beverages

The carbonation analyzer UC09 is a 100% in line optical sensor able to measure accurately CO₂ content of any carbonated beverage, beer, wine or mineral water: the installation can be easily made by means of 1 single Varivent fitting with no need of any bypass or pump.

The equipment is using optical ATR infrared technology specifically developed by Maselli for this application: the new innovative design of the analysis section allows now to withstand both standard and High Temperature applications where the temperature of the CIP exceeds 90°C.

The analyzer does not have any drift in the time so that it does not need any adjustment vs the laboratory: after the initial configuration during start up, the operators in the plant do not have to touch the system anymore.

The measurement is very fast (3 seconds) and it helps the plant operators to control the process.

Due to the optical technology, no moving parts, the equipment is virtually no maintenance reducing drastically the ownership costs in comparison with the traditional pressure / temperature construction.

UC09

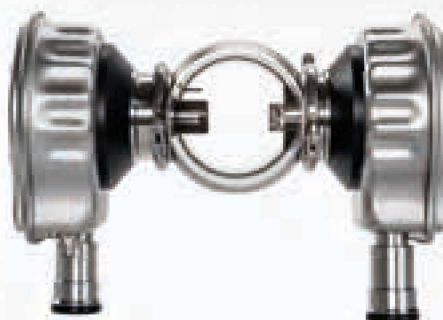
INFRARED CARBONATION ANALYZER

CO₂ FOR THE BEVERAGE AND BEER INDUSTRY

CO₂/O₂ combined measurement

The carbonation analyzer **UC09** may be delivered in combination with the fluorescence quenching based oxygen analyzer **UG01**: the 2 analyzers may be controlled by the Maselli touch screen field panel **MP01** capable to handle PLC connection for process alarm and control.

The 2 sensors may be installed in 1 single standard Varivent fitting: being a modular construction, it is possible to start with 1 element adding the second one at a later stage.



UG01

UC09



MP01

OPERATING SPECIFICATION

CO₂ Measurement

Measurement range:	0...6 v/v (0...12 g/l)
Reproducibility:	+/- 0.025 v/v (+/- 0.05 g/l)
Measurement scale:	"v/v (Gas/Vol)" or "g/l"

TECHNICAL FEATURES

Product Temperature:	-5...+35 °C [23...95 °F]
Line pressure:	max 10 bar (145 psi) at 20 °C (68 °F)
Degree of protection:	IP67 from EN60529
Power supply:	DC 24V ±10%, 10W
Digital interface:	RS485 for connection to M8, MP01/02 receivers
Line connection:	Tuchenhagen Varivent N and all Maselli available mounting fittings

Please refer to the technical datasheet for further data.

More products for the Beer and Beverage Industry

IB08 Beverage Analyzer



In Line - Bx / Diet / CO₂

BA06 Beer Analyzer



In line - Alcohol, Plato, Extract, CO₂



maselli
PROCESS ANALYZERS

43122 Parma - Italy - Tel. +39.0521.257411
www.maselli.com

