



LABORATORY AND AT LINE

Quality Control Analyzers

The new LP series of Maselli analyzers can be used both in the laboratory and for fast measurements at line to measure CO₂ and Oxygen content of any wort, beer, wine or soft drink.

The equipment is using traditional pressure and temperature technology to measure CO₂, and an optical sensor for the dissolved oxygen (quenching fluorescence).

In the laboratory, the LP is working in combination with an automatic sampler able to handle any kind of different container (can, bottle, PET, etc.) while, at line, the portable device with rechargeable batteries may be directly connected to tanks or piping.

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



LP20

LABORATORY AND AT LINE ANALYZERS

CO₂, OXYGEN FOR THE BEVERAGE INDUSTRY

LP20 operation with Maselli samplers

The LP20 portable analyzers are commonly used at line, sampling directly from a tank or a piping: it is possible as well to use them in the laboratory in combination with Maselli samplers.

The automatic SL01 sampler has the capability to pierce any kind of container including glass bottles, PET and cans.



CO₂/O₂

OPERATING SPECIFICATIONS

CO₂ Measurement

Measurement limits:	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"

Oxygen Measurement

	Low Range	High Range
Measurement Range	0...2000 ppb (dissolved O ₂ in liquids) 0...4 % O ₂ (gas phase O ₂)	0...22.5 ppm (dissolved O ₂ in liquids) 0...40 % O ₂ (gas phase O ₂)
Reproducibility	0.0025% or 3% of the reading*	0.1% O ₂ or 3% of the reading**
Measurement Scales	ppb, ppm, % O ₂ (gas phase O ₂)	ppb, ppm, %O ₂ (gas phase O ₂)
Detectability Limit	1 ppb (dissolved O ₂ in liquids) 0.0025 % O ₂ (gas phase O ₂)	0.015 ppm (dissolved O ₂ in liquids) 0.035 % O ₂ (gas phase O ₂)

*if 3% of the reading is less than 1 ppb the accuracy is 1 ppb;
if 3% is greater than 1 ppb the accuracy is 3% of the reading

**if 3% of the reading is less than 0.05 ppm the accuracy is 0.05 ppm;
if 3% is greater than 0.05 ppm the accuracy is 3% of the reading

TECHNICAL FEATURES

Product Temperature:	-5°...+35°C (23°F...104°F)
Line Pressure:	Min 1 bar (14,5 psi), max 10 bar (145 psi)
Degree of Protection:	IP65 from EN60529
Power Supply:	DC 24V ±10% 10W; for battery pack charging: 3Ah
Interface:	Ethernet, Wi-fi, USB, HTTPS, MQTTS
Measuring interval:	
CO ₂	1.8 seconds
O ₂	minimum 5 seconds configurable

Please refer to the technical datasheet for further data.

More products for the Beer Industry

BA06

Beer Analyzer



In line - Alcohol, Plato, Extract, CO₂

LP10

Laboratory Beer Analyzer



Laboratory – Alcohol, Extract, Plato, CO₂ and Oxygen

TP10

Total Package Analyzer



Laboratory – TPO, True CO₂, HS volume



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PROCESS ANALYZERS

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