

OPERATING SPECIFICATION

Concentration Measurement

Brix / Fresh Brix

Measurement limits:	0...80 Brix
Repeatability:	0.01 Bx

Alcohol

Measurement limits:	0...12 v/v
Repeatability:	0.01 v/v

Original Extracts

Measurement limits:	0...30° Plato
Repeatability:	0.03° Plato

Real Extracts

Measurement limits:	0...30% Ew
Repeatability:	0.01 Ew

CO2 Measurement IR

Measurement limits:	0...6 v/v (0...12 g/l)
Repeatability:	0,005 v/v (0,01 g/l)
Measurement Scale:	"v/v" or "g/l"

TECHNICAL FEATURES

LP10

Measurement Temp. :	-5°...+35°C (23°...95°F)
Degree of protection:	IP65 from EN60529
Power Supply:	24Vdc
Interface:	2 x USB - Ethernet
Measuring time including sampling:	Approx. 60s
Sample quantity:	Approx. 30ml

LP20

Measurement Temp. :	-5°...+35°C (23°...95°F)
Pressure:	10 bar max at 20°C (68°F)
Degree of protection:	IP67 from EN60529
Power Supply:	24Vdc/Battery
Interface:	USB
Measuring time including sampling:	Approx. 60s
Number of measurements per charge:	Approx. 600
Internal memory:	500 records storage
Battery operation time:	10 hours
Dimensions:	220 x 160 x 62
Weight:	4 kg

More products
for Soft drink and
Beer industries

UR24

Process Refractometer



In line - Brix / Plato

BA06

Beer Analyzer



In line - Alcohol, Plato, Extract, CO2

IB08

Soft drink Analyzer



In Line - Bx/Diet/CO2

ZZ2001429B

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PROCESS ANALYZERS



LP SERIES

LABORATORY AND AT LINE ANALYZERS

BRIX, FRESH BRIX, ALCOHOL, ORIGINAL EXTRACT,
REAL EXTRACT AND CO₂ FOR SOFT DRINK AND BEER INDUSTRIES

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PROCESS ANALYZERS

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LP SERIES

BENEFITS AND PAYBACK

- Optical technology
- Modular construction
- Very quick response time
- Operator independent analysis
- Easy sampler
- No maintenance for the optical sensors
- Annual calibration with traceable standards
- Compatible with Easy Diet DR10



EQUIPMENT CONFIGURATIONS

The LP series is a complete range of optical sensors studied for the soft drink and beer industry. The design is modular: the system is handled by a control panel to which you may add the desired module. It is possible to upgrade the initial configuration at a later stage with additional parameters. The analyzers can be used both as bench top application in the plant laboratory and as portable unit for direct measurement at line from piping or tanks. When installed in the laboratory, the system includes a semi-automatic sampler able to handle any kind of different container.

All the operations are easy and do not require skilled technicians: the design does not need maintenance due to optical technology. The annual maintenance is recommended to perform the analyzer calibration according to traceable standards.

Parameters

MD01: Brix

MD01S: Brix, Fresh Brix, Alcohol, Original Extract, Real Extracts

MD05: CO₂, Oxygen (option)



MD01
Refractive Index



MD01S
Refractive Index /
Sound velocity



MD05
Infrared

LP10 Bench Top Applications

In the bench top application, LP10 is the combination of the MP05 control panel and your selected modules without limitation. The MP05 is a powerful touch screen panel PC with full communication capability including ethernet and USB. By means of the intuitive interface, Maselli software allows the operator to handle the whole measuring cycle including sampling, measurements and calibration.



When you are an existing user of Maselli DR10 Easy Diet, you may connect the new modules to your existing unit with no need of the MP05.



DR10

LP20 Portable Applications

In the portable application, LP20 is the combination of your selected module and the Maselli universal carry on support. This IP67 tool is equipped with the local MP06 control panel, batteries, flow cell, tubing and all the accessories needed for measurement at line. It is very easy to install the selected module on the support getting a portable device robust and rugged enough to stand the tough conditions of an industrial plant.

