OPERATING SPECIFICATION

Concentration Measurement:

Measurement limits:	0...18.5 Brix for “REGULAR” scale
	0...2000 mBrix for “DIET” scale
	0...200% for “% STANDARD” display scale
Accuracy:	0.1% of the range, maximum accuracy
	±0.01 Brix with variation of ±10 °C (±18°F) for “REGULAR” scale.
	0.15% of the range, maximum accuracy
	±0.003 Brix with variation of ±2.5 °C (±4.5 °F) for “DIET” scale.
Measurement scales:	“BRIX”, “DIET” or “% STANDARD
Response time:	<1.0 sec.

CO_2 Measurement p/T

Measurement limits:	0...5 v/v (0...10 g/l).
Accuracy:	±0.025 v/v (±0.05 g/l).
Measurement scales:	“v/v (Gas/Vol)” or “g/l”
Cycle Time:	15 sec.

CO_2 Measurement IR

Measurement limits:	0...6 v/v (0...12 g/l).
Accuracy:	+/- 0.025 v/v (+/- 0.05 g/l)
Measurement scale:	“v/v (Gas/Vol)” o “g/l”
Response time:	3 sec

TECHNICAL FEATURES

Optional parameters:	Sugar inversion with US01 sonic unit (not shown), Alcohol, Oxygen.
Measurement Temp.:	-5°C...+35°C (23°F...95°F)
Max. sterilization temp. (Hot water):	100°C (4 hours)
Line pressure:	Max 10 bars
Degree of protection:	IP67 in accordance with EN60529
Power supply:	AC 24V ±10% 50...60Hz 7A Max.
	DC 24V ±10% 7A Max.
Digital interface:	RS485 for connection to MP01/02 receivers.
Field bus available from MP01:	Profibus / Modbus TCP / Ethernet IP
Field bus available from MP02:	Profibus / Modbus TCP / Ethernet IP
Connections:	2 fittings 3/4” Tri-Clamp®
Recirculation pump:	Hygenic Centrifugal pump
Total weight:	28kg IB08 brix/CO2 p/T, full configuration.
IB08 Overall Dimensions:	480 (b) x 360 (h) x 375 (d)

More products for the Beverage Industry

UR24
Process Refractometer

Syrup Room - Sugar Dissolution

DR10
Laboratory Refractometer

Laboratory - Diet Soft Drinks

BA06
Beer Analyzer

In line - Alcohol, Plato, Extract, CO_2

ZZ2001280F

maselli PROCESS ANALYZERS

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IB08

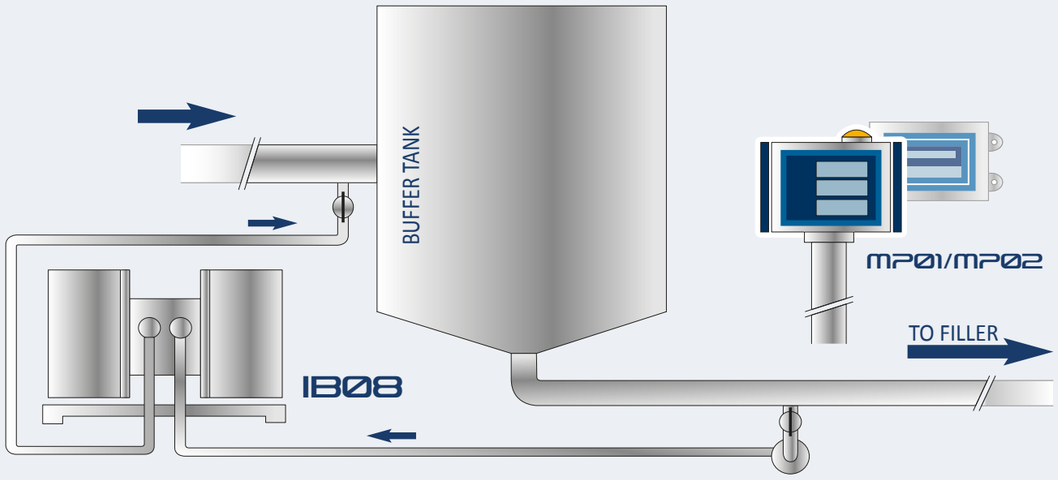
BEVERAGE ANALYZER

BRIX-DIET AND CO_2 FOR THE BEVERAGE INDUSTRY

IB08

BENEFITS AND PAYBACK

- Easy installation
- No need of calibration
- Accurate readings with diet, beverages with fibers and flavored waters
- Quick changeover for both regular and diet soft drinks
- Syrup yield improvement
- Real Ca Cp Cpk calculations of process performance
- User friendly handling of the collected data



EQUIPMENT CONFIGURATIONS

The **beverage analyzer IB08** is the only system able to measure accurately **any kind** of beverage in the portfolio of a soft drinks bottling plant including diet, beverages with fibers and flavored waters.
The equipment is based **on optical technology:** refractive index for Bx/Diet measurement and infrared for CO2 one (traditional pressure / temperature method for CO2 is available upon request).
Both analyzers do not have any drift in the time so that the Maselli IB08 acts like a **"black box"** which 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.
In this scenario, the IB08 has the capability to handle **automatically the change overs** between beverages with no need to wait for laboratory checks allowing the plant to save time, improve syrup yield and filling capability.
Due to the optical technology, the equipment is virtually **no maintenance** reducing drastically the ownership costs.

FIELD CONTROL PANELS

MP01 Receiver

MP01 is a touch screen receiver with all the parameters at your fingertips. Find a summary of all alarms that allows you to quickly take action. Easy to install, different set up for various application available.

MP02 Trend analysis receiver

MP02 adds the capabilities to visualize and analyze trends in the production data with a user-friendly UI, in a quick installation and implementation package. Easy to install, can be linked to all the digital ports for maximum versatility. View and compare data and find the exact information to make decision.

LABORATORY SUPERVISOR M8

The software is M8 based, the current state of the art multi line lab software which provide a complete overview of the production data.
Find a summary of all alarms that allows you to manage from one central location and quickly take action. Move beyond simple alarm notification and to gain true insight to help you address issue. View trends easily, check previous production data, directly monitor soft drinks productions.