OPERATING SPECIFICATION

Concentration Measurement:

Measurement range:	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

CO_2 Measurement p/T

Measurement range:	0...5 v/v (0...10 g/l)
Reproducibility:	±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 range:	0...6 v/v (0...12 g/l)
Reproducibility:	+/- 0.025 v/v (+/- 0.05 g/l)
Measurement scales:	"v/v (Gas/Vol)" or "g/l"
Measurement interval:	1.8 sec

TECHNICAL FEATURES

Optional parameters:	Sugar inversion, Alcohol, Oxygen,pH
Product Temperature:	5°C...+35°C (23°F...95°F)
Line pressure:	Max 10 bar (145 psi) at 20°C (68°F)
Degree of protection:	IP67 to EN60529
Power supply:	AC 85...264V ±10% 50...60Hz 60VA without pump
	AC 85...264V ±10% 50...60Hz 480VA with pump
Digital interface:	RS485 for connection to M8, MP01/02 receivers Profibus DP, MODBUS/TCP, ETHERNET/IP, PROFINET
Connections:	2 fittings 3/4" Tri-Clamp®
Recirculation pump:	Hygenic Centrifugal pump

Please refer to the technical datasheet for further data.

More products for the Beverage Industry

UR24
Process Refractometer

Syrup Room - Sugar Dissolution

DR10
Laboratory Refractometer

Laboratory - Diet Soft Drinks

LP10
Laboratory Soft drink Analyzer

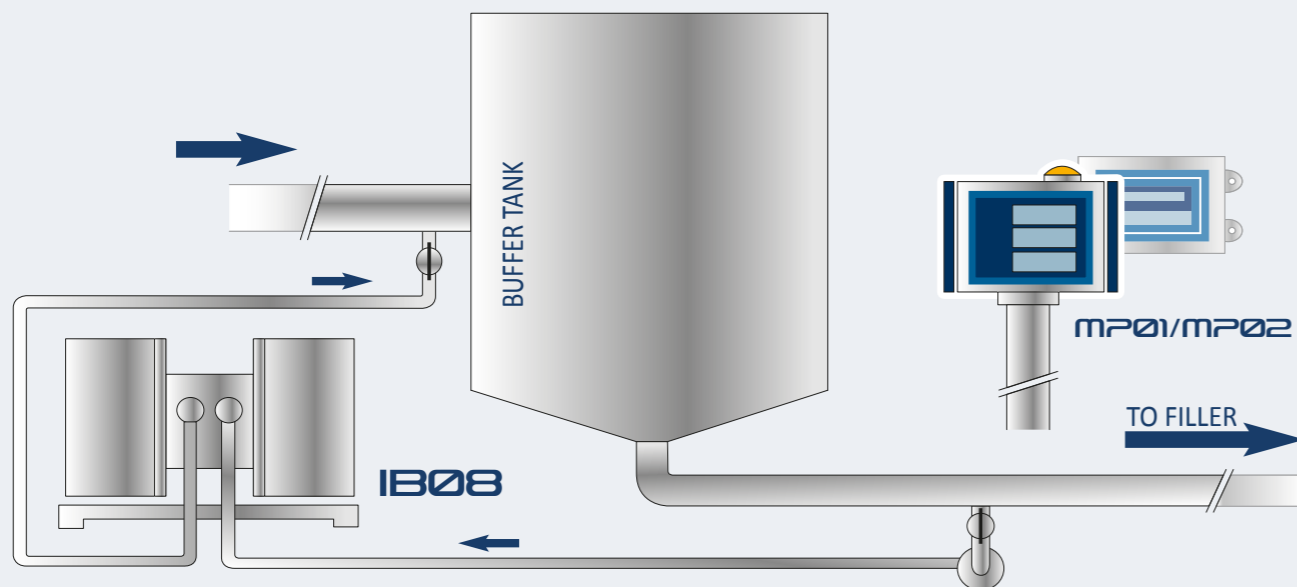Laboratory – Diet, Brix, Fresh Brix, CO_2

ZZ20012 80G

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

BUFFER TANK

MP01/MP02

TO FILLER

IB08

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.

IB08
Brix-Diet

IB08
Brix-Diet CO₂ IR

IB08
Brix-Diet CO₂ P/T

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.

MP01

MP02

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.