



## THE REAL IN LINE BRX/CO<sub>2</sub> analyzer for beverages

The beverage analyzer IB07 is the only 100% in line system able to measure accurately Bx and CO<sub>2</sub> of any regular carbonated beverage including fruit juice with fibers, energy drinks and mineral waters.

The equipment is based on optical technology: refractive index for Bx measurement and infrared for CO<sub>2</sub> one.

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.

The Maselli IB07 may be delivered in 3 different configurations: only Bx, only CO<sub>2</sub> or the combination Bx/CO<sub>2</sub> but, in any case, the installation can be easily made by means of 1 single Varivent fitting.

Due to the optical technology, the equipment is virtually no maintenance reducing drastically the ownership costs.

# IB07

## BEVERAGE ANALYZER

BRX AND CO<sub>2</sub> FOR THE BEVERAGE INDUSTRY

## Field Control Panels

The **IB07** can be supplied with our MP01 or MP02 Receivers.

MP01 is a touch screen receiver with all the parameters at your fingertips.

MP02 adds the capabilities to visualize and analyze trends in the production data. Both receivers are equipped with serial communication in order to easily setup a PLC connection for parameter control or alarm implementation.



## OPERATING SPECIFICATION

### Concentration Measurement

Measurement limits:	0...20 Brix
Accuracy:	±0.02 Brix
Measurement scale:	Brix scale
Response time:	1 second

### CO<sub>2</sub> Measurement

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

Measurement Temp:	-5...+35 °C [23...95 °F]
Max. sterilization temp. (Hot water):	100°C ( 4 hours) in the Standard configuration 130°C ( 45 min.) in the HT configuration
Line pressure:	10 bar max.
Degree of protection:	IP67 from EN60529
Power supply:	AC 24V ±10% 50...60Hz, 300mA. DC 24V ±10%, 300mA.
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
Line connection	Tuchenhagen Varivent N
CO <sub>2</sub> unit weight:	3.3 kg
Bx unit whight:	3.3 kg
Dim. unit:	176x192.5x132.5

## More products for the Beverage Industry

### IB08 Beverage Analyzer



In Line - Bx/Diet/CO<sub>2</sub>

### BA06 Beer Analyzer



In line - Alcohol, Plato, Extract, CO<sub>2</sub>

**maselli**  
PROCESS ANALYZERS

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