



## THE REAL IN LINE BRIX/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 IB07 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

BRIX 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.



MP02



MP01

## OPERATING SPECIFICATION

### Concentration Measurement

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

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

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

Product Temperature:	-5...+35 °C [23...95 °F]
Line pressure:	max 10 bar (145 psi) at 20 °C (68 °F) max 8 bar (116 psi) at 105 °C (221 °F) Special version for pressures up to 15 bar (217 psi) at 100 °C (212 °F)
Degree of protection:	IP67 to EN60529
Power supply:	AC 100V...240V ±10% 50...60Hz, 150VA. DC 24V ±10%, 10A Max.
Digital interface:	RS485 for connection to M8, MP01/02 receivers Profibus DP, MODBUS/TCP, ETHERNET/IP, PROFINET
Line connection:	Tuchenhagen Varivent N

Please refer to the technical datasheet for further data.

## More products for the Beverage Industry

### IB08

Beverage Analyzer



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

### LP10

Laboratory Soft drink Analyzer



Laboratory – Diet, Brix, Fresh Brix, CO<sub>2</sub>



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