



THE BASIC IN LINE

process refractometer

The UR62 digital refractometer is a probe designed for simple installation in-line or in a tank or vessel. It continuously measures concentration and displays and outputs the result in Brix or nD or % concentration with basic accuracy. The UR62 will signal to the process when concentration is outside of specifications or has reached its target end point by means of analogue 4-20 mA output.

The probe is easily set up and configured through a PC or portable computing device using its built in RS485 interface. It can also be connected to the optional RC-24 touch screen operator display unit. The analyzer does not have any drift in the time so that it 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. Due to the optical technology, the equipment is virtually no maintenance.

Benefits

- Optical Technology
- Basic accuracy
- 100% in line installation
- No need of adjustments
- No maintenance

UR62

PROCESS REFRACTOMETER

BRUX, nD AND % CONCENTRATION OF THE LIQUIDS

UR62 installation accessories

The UR62 robust construction with stainless steel case and IP67 protection, allows the easy installation using dedicated Maselli adapters directly in the main line.

For specific applications, the refractometer may be equipped with special system for prism cleaning.



OPERATING SPECIFICATION

Measurement limits:	1.3170 ... 1.4907 nD(0...80Bx)
Max Accuracy:	+/- 0.0004 nD (+/-0.2 Bx) +/- 0.0002 nD (+/-0.1 Bx) with RC24 receiver (option)
Measurement scale:	Brix scale or USER scale on request
Response time:	2 sec

TECHNICAL FEATURES

Measurement temperature:	-5...+90°C (23...194°F)
Max sterilization temperature:	95°C (203°C) x 30 min
Line pressure:	max. 10 bar (145 psi) at 20 °C (68 °F) max. 8 bar (116 psi) at 100 °C (212 °F)
Power supply:	AC 24V +/- 10%, 50...60Hz, 80mA DC 24V +/- 10%, 80mA
Interfaces:	
- Digital	RS485 for connection to Remote Control Repeater RC-24 (option)
- Analog	4...20mA into 470Ω
Protection Category:	IP67 to EN60529
Dimension and weight:	∅80 (b) x 173 (d), 0.5 kg

More products
For the analysis of
liquids concentration

UR24
process refractometer
Ultimate



LR05
Laboratory refractometer



M maselli
PROCESS ANALYZERS

Via Baganza 4/3 - 43125 Parma - Italy - Tel. +39.0521.257411
www.maselli.com