



## THE BASIC IN LINE

### process refractometer



#### Benefits

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

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.

# UR62

PROCESS REFRACTOMETER

BRIX, 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 range: | 1.3229 ... 1.505 nD(0...85Bx)*  |
| Accuracy:          | +/- 0.0004 nD (+/-0.2 Bx) UR62 only<br>+/- 0.0002 nD (+/-0.1 Bx) UR62 with RC24 receiver (IR02) |
| Measurement scale: | Brix scale or USER scale on request   |
| Repeatability:     | +/- 0.2 UR62 only<br>+/- 0.03 UR62 with RC24 receiver (IR02)                                    |

\* 0 Bx at max 80°C

## TECHNICAL FEATURES

|                                |  |
|--------------------------------|--|
| Product temperature:           | -25...+90°C (-13...194°F)  |
| Max sterilization temperature: | hot water at 95°C (203°F) x 30 min, steam (0.5 bar) at 110 °C (230 °F) x 30 min  |
| Line pressure:                 | max. 10 bar (145 psi) at 20 °C (68 °F)<br>max. 8 bar (116 psi) at 90 °C (194 °F) |
| Power supply:                  | AC 24V +/- 10%, 50...60Hz, 80mA<br>DC 24V +/- 10%, 80mA                          |
| Interfaces:                    | Analog, Analog/Digital, PROFIBUS DP, Ethernet/IP                                 |
| Protection Category:           | IP67 to EN60529  |

## Sales and service benelux

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## More products For the analysis of liquids concentration

### UR24 process refractometer Ultimate



In Line – Brix / nD

### LR05 Laboratory refractometer



Laboratory – Brix / nD / User Scale

ZZ2001572A