

Process refractometer PR21 series

Requirement profile

Company/Department: _____

Contact person (Name) _____

Address (Street, City, Country) _____

Telephone no. (Contact/in general) _____

Email (Contact/in general) _____

Configuration

Preferred configuration	Inline (PR21S) ☐	Bypass (PRB21S) ☐
Permissible gauge pressure	< 9 bar	< 2 bar
Permissible continuous process temperature	10 °C – 60 °C	10 °C – 60 °C
For PR21S, which installation?	Pipe ☐	Tank ☐

Process conditions

Process temperature / °C	Cleaning temperature / °C	Process pressure / bar (rel)	Maximum pressure / bar (rel)

Samples

Sample types & industrial sectors _____

Measuring range¹⁾

Technical maximum measuring ranges:

PR21S (Pay attention to note ¹⁾)	nD 1.3200 – 1.5200	0 % Brix – 90 % Brix
PRB21S	nD 1.3200 – 1.5600	0 % Brix – 95 % Brix

Please specify the measurement range in which you would like to measure your samples

Lower limit / value	Upper limit / value	in
		☐ nD ☐ Brix

Note:

- ¹⁾ With the PR21S, only a measuring range width of 0.1000 nD is possible.
E.g., 1.3200 – 1.4200 or 1.3700 – 1.4700. The measuring range of the device is individually configured based on the specifications provided in this PDF requirements profile.
- The process refractometers have no explosion protection
 - The process refractometers are CIP-compatible up to 120 °C
 - Components that come into contact with samples are Sapphire, PTFE, FKM, and stainless steel 1.4305