

In-line Refractometer PRM-TANK α

Cat.No.3575

Direct tank mounting

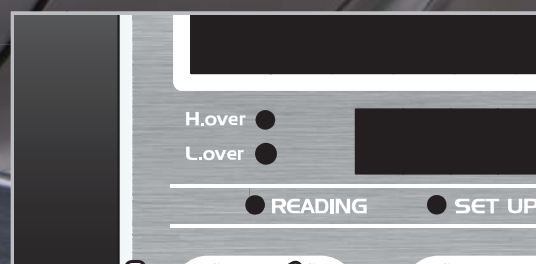
Extraction / boiling /
polymerization / fermentation /
juicing / filtration

Continuous measurement of
concentration in the tank



Nothing sticks to it!

The flat sample stage prevents residues
from building up around the prism,
ensuring accurate measurements
for a long time.



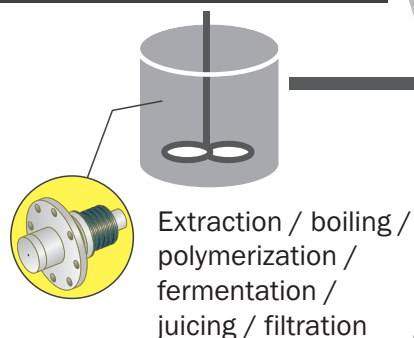
Clean and easy-to-use
operation panel.

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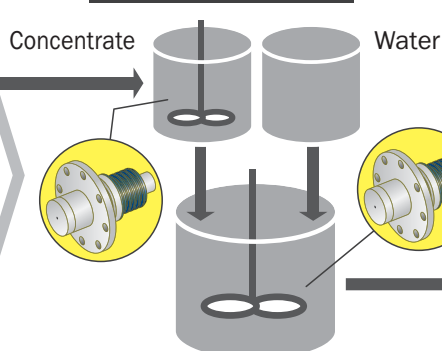


Installation examples

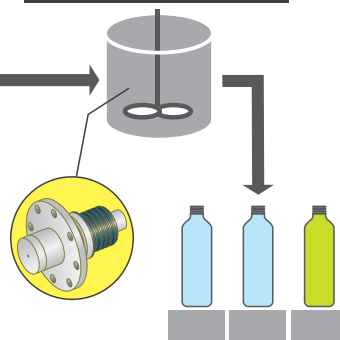
Ingredient Preparation



Blending



Packaging



The PRM-TANK α will monitor every step of your process.

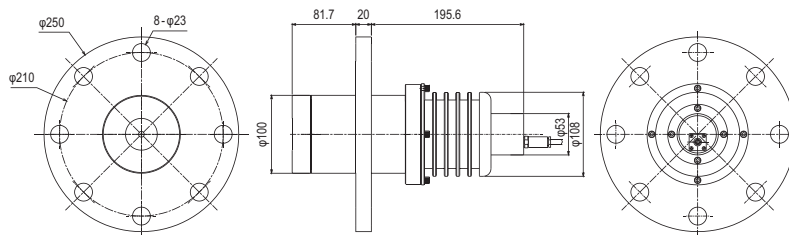
Specifications

Measurement items	One of Refractive Index (nD), Brix (temperature compensation according to sucrose solution), or concentration (%) (temperature compensation according to samples), and temperature
Measurement range	Refractive index (nD) : 1.31700 to 1.51000 Brix : 0.00 to 85.00%
Resolution	Refractive index (nD) : 0.0001 or 0.00001 Brix : 0.1 or 0.01% (by selection)
Measurement accuracy	Refractive index (nD) : ± 0.0001 Brix : $\pm 0.1\%$
Measurement temperature	5 to 100°C
High and low limit settings	High and low control limits can be set by the keys.
Display items	Refractive Index (nD), Brix, concentration (%), temperature (°C)
Display method	Seven-segment LED
Output items	Refractive Index (nD), Brix, concentration (%), temperature (°C)
Output method	DC4 to 20mA, RS-232C
Alarm output	Open-collector output for high and low limit settings (alarm output)
Connecting cables	Detection section - Display section (power supply 12V and RS-485) Length: standard 15m (maximum up to 200m)
Light source	LED (D line approximation)
Material	Prism : Synthetic sapphire Prism packing : FEP, PTFE Flange Packing : PTFE Prism stage : SUS316L
International protection class	Detection section: IP66, Calculation display section: IP65
Power supply	AC100 to 240V, 50/60Hz
Input rating	30VA
Pressure resistance	1.0MPa (detection section)
Dimensions and weight	Detection section: 10.8×26.6×10.8cm, 3.3kg, Calculation display section: 19.2×10×24cm, 3.3kg

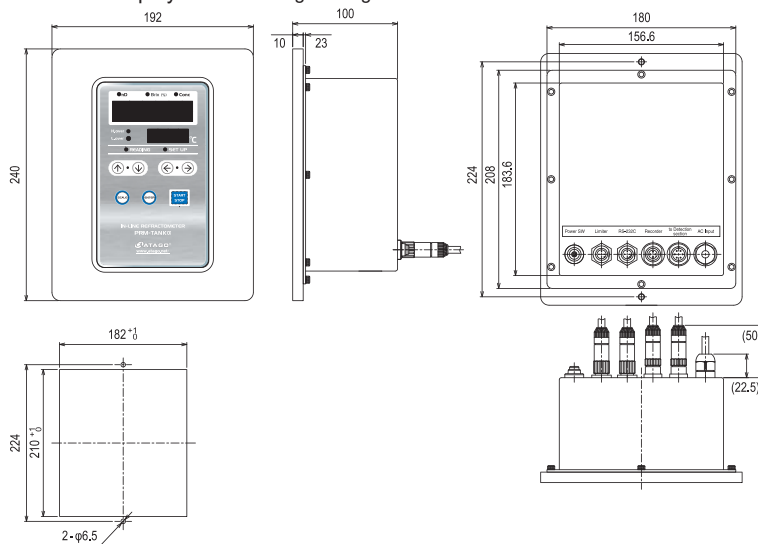
Dimensions

Unit of length : mm

Detection section Weight:12.3kg



Calculation display section Weight:3.3kg



HACCP GMP GLP