

Brix monitoring at the CIP collection hub

Application

Monitor dissolved product concentration in the CIP collection stream. Identify abnormal discharges before they reach wastewater treatment.

Measurement and control

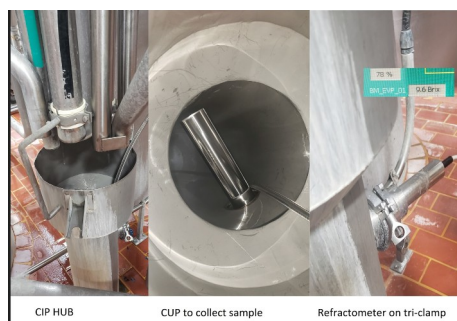
Milktronics provides a refractometer installation in a drain or open effluent collection funnel. The meter has an IP67 enclosure. The application uses 24 V DC power and a 4-20 mA control signal. An alarm can activate when Brix exceeds the configured threshold. Use the trend to investigate product losses and improve recovery.



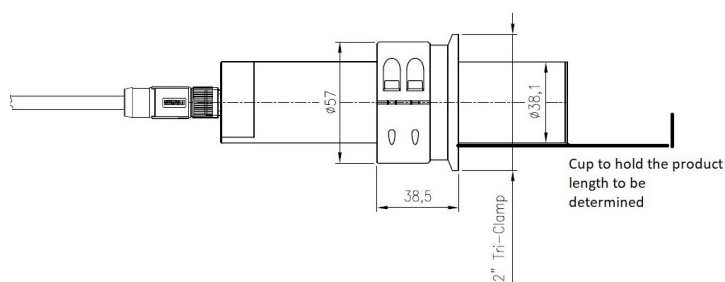
Maselli UR62 probe

Features and application details

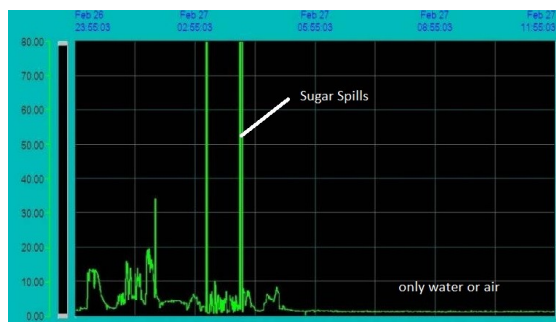
Parameter	Specification
Range	1.3170...1.4907 nD (0...80 Brix)
Accuracy	max: ± 0.2 Brix
Resolution	0.2 Brix or equivalent for USER scale.
Product temperature	-5...+90 °C (23...194 °F)
Line pressure	max. 10 bar (145 psi) at 20 °C (68 °F) max. 8 bar (116 psi) at 90°C (194 °F)
Interfaces	Digital: RS485 for connection to programming PC or Remote Control Repeater RC-24.
Power supplies	AC 24V $\pm 10\%$ 50...60Hz 80mA DC 24V $\pm 10\%$ 80mA
Outputs	2 relay outputs (alarm condition signaling) + 1 relay output for cleaning system control with DC/AC 24V/500mA contacts.
Dimensions and weight	$\varnothing 38.5$ (b) x 173 (d), 500 g
Execution	AISI 316 stainless steel Enbloc casing for installation on the process line by means of the special adapter. Degree of Protection IP67 (EN60529)



CIP collection funnel installation



Probe mounting dimensions



Recorded Brix trend