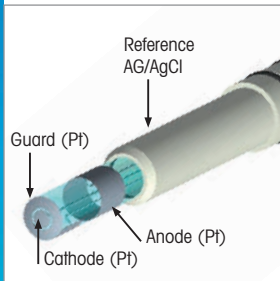


Trace Oxygen Measurement For Increased Beer Quality



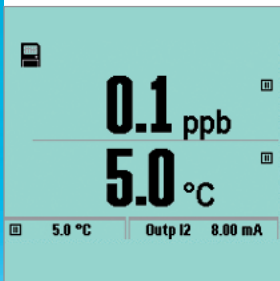
Complete brewery oxygen portfolio

With its unique capabilities the InPro 6950 is the industry's best answer to the most demanding dissolved oxygen measurement applications in breweries.



Innovative 4-electrode technology

The built-in 4-electrode technology provides advanced signal stability and helps to reduce maintenance efforts by avoiding formation of silver chloride in the electrolyte.



Oxygen measurement to the lowest limit

The guard of the 4-electrode technology acts as a protection of the oxygen measuring system from interferences. This leads to most accurate oxygen determination down to trace level.



Maintenance in seconds

The quickly replaceable membranes and "Quick Disconnect" interior body reduces maintenance, saves time and provides maximum availability.



InPro 6950 – The ideal solution for lowest oxygen measuring applications

The innovative 4-electrode measurement system of the InPro 6950 combines highest performance with easy handling and reduced maintenance.

The InPro 6950 cathode/guard electrode design, optimized for accurate and reliable trace oxygen measurement, minimizes sensor reading changes during media flow stop and extends the measurement range down to 0.1 ppb.

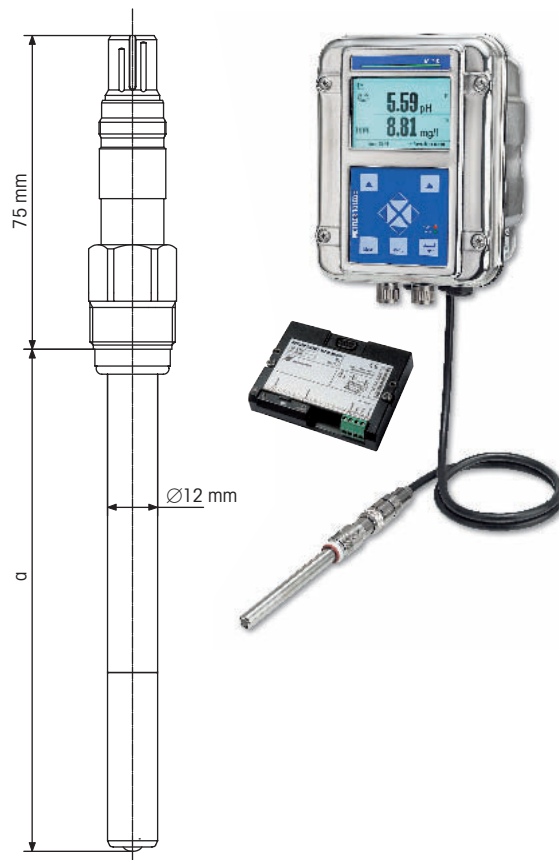
The reference/anode assembly opens new design possibilities where no silver chloride is released into the electrolyte, thereby improving the signal stability and powering maintenance effort.

The modular design of the InPro 6950 simplifies maintenance by enabling the user to perform routine operations on-site which saves both time and cost.

The established 12 mm sensor design fulfills highest demands to hygienic design by offering a N5/Ra 16 surface finish.

Technical data InPro 6950

Designation	InPro 6950
Operating range	0.1 ppb to saturation in aqueous solutions 0.25 ppb to saturation in CO ₂ containing solutions
Accuracy	≤ ± [1% + 0.1 ppb] / ≤ ± [1% + 0.25 ppb]
Response time at 25 °C	T _{90%} of final value < 90 s
Sensor signal in ambient air at 25 °C	2500 to 6000 nA
Residual signal in oxygen free medium at 25°C	< 0.025% of signal in air
Permissible temperature range during measurement	0 ... 80 °C (32 ... 176 °F)
Mechanical	-5 ... 121 °C (23 ... 249.8 °F) / Steam sterilizable
Permissible pressure range during measurement	0.2 ... 9 bar absolute (2.9 ... 130 psi absolute)
Mechanical pressure resistance	Max. 12 bar absolute (max. 174 psi absolute)
Plug head	VP (IP 68), PG 13.5 Thread
Shaft diameter	12 mm
Lengths	70 mm, 120 mm, 220 mm
Temperature compensation	Automatic with built-in RTD
Wetted O-ring material	Silicone FDA & USP Class VI approved
Wetted sensor parts	Stainless steel 1.4404, [AISI 316L]
Surface roughness	Ra < 0.4 µm [16 µin]
O ₂ selective membrane material	Silicone/Teflon FDA compliant



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