

TC Sensors

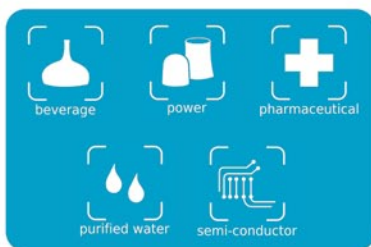
series 62

For liquid and gas phase measurements



Fast and precise measurements for : CO₂, H₂ and N₂

The MecSens series 62 Thermal Conductivity sensors are versatile and suitable for the most demanding of CO₂, H₂ and N₂ measurements under the harshest conditions. Sensors measure trace to saturation levels either in-line, off-line or at-line and are suitable for both **dissolved and gaseous applications**.



Commercial Benefits

- Trace Level precision
- Operational cost savings
- Reliability of measurements
- Reduced TCO
- Dissolved and gaseous applications

Technical Benefits

- Trace level accuracy
Very low detection limit.
- Proven Technology
All stainless steel sensor rated IP68 /
Nema 6P 20 bars.

Sturdy construction
- Industrial strength
- Low maintenance / Ease of maintenance
- Ease of Calibration

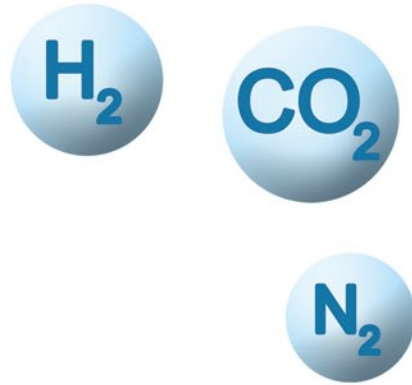
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www.nirva.ch - info@nirva.ch

A breakthrough in CO₂, H₂ and N₂ measurements

From production to quality assurance, laboratory and maintenance, users will find appropriate applications for this unique sensor which provides fast precise and accurate measurements. With the in-line process instrument, it has the additional benefit of very low maintenance and ownership costs. The customer can measure either dissolved or gaseous CO₂, H₂ and N₂ concentrations and the medium temperature.



Sensor model	CO ₂	H ₂		N ₂
Membrane model	82956	82956	82952	82956
Range at 25°C	0-15 g/kg	0-2 ppm	0-10ppm	0.350ppm
Flow rate	100ml/min	220ml/min	200ml/min	300ml/min
Linear flow rate	50 cm/sec	N/A	N/A	150 cm/sec
Accuracy	1% of the measured value or lowest value whichever is greater.			
Temperature Compensation	0°C to + 50°C / 32°F to 122°F			
Temperature range	CIP or SIP resistant up to 120°C/248°F			
Pressure rating	0 – 20 bars			
Weight	0.6 kg			
Enclosure protection	IP65			
Material in contact with sample	ANSI 316L, PFA oder Tefzel			
Sensor cable	3m standard length / optional extension up to 1000 m			