



H₂Trans-ZO

4 – 20 mA Loop Powered two wire Hydrogen Transmitter to be used in application where the O₂ level is 0 ppm

The Model H₂Trans is simple, accurate and economic measurement of Hydrogen at trace levels.

A simple Display and one point calibration allow easy and fast start-up of the instrument.

© One User specific measuring range

The unit will offer with ranges between 0 ppm – 1000 ppm of hydrogen.
Typical range is 0-1000ppm

© Sensor

The H₂Trans uses a special fuel cell to measure the hydrogen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life.

© Calibration

The calibration of the instrument for trace hydrogen measurements in gas, should be done with a calibration gas. The concentration can be chosen freely within the measuring range.

© Features

- 1 compact
- 1 inexpensive
- 1 Sensor with long operating life
- 1 IP65 enclosure
- 1 reverse voltage protection and temperature compensation



© Flow-through measuring cell in Stainless Steel

- The measuring cell is modular and is made of stainless steel it is available with KF Flans or with sample chamber and tube fittings 6 mm
- A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit



Specification

Measuring ranges	ppm: 0 – 10000 ppm H ₂
Calibration	: with calibration gas
Accuracy	: +/- 2% FSD T= konst. +/- 5% FSD 0>T>50°C
Repeatability	: +/-5ppm
Resolution	: 1 ppm < 0-10000 ppm or 0,1 %
Response time	: 90 % FSD at 25°C 0-1000 ppm < 70 s
Operating Temperature	: 0 - 50°C
Pressure	: 0.1 - 1 bar
Signal output	: 4 -20 mA/DC
Alarm value	: 3.8 mA (Standard) or 23 mA (if desired)
Voltage	: 10 – 35 VDC reverse voltage protection up to 40VDC
Load	: typ. 470 Ohm, max. 750 Ohm
Display	: 6 Digits, alphanumeric with bar graph
Hydrogen sensor	: electrochemical sensor
Housing	: IP65
Size	: 120 x 160 x 65 (B x H x T)
Weight	: 1. 2 kg

Typical

- different sensors variable
- 5 different Measuring ranges
- 316 SS Stainless steel Cell block

Applications are found in

- Gas manufacturers'
- Metallurgical industries
- heat treating and bright annealing
- many other hydrogen applications

Remark; we have the right to revise specifications and product configurations without notice.