


H₂Trans

4 – 20 mA Loop Powered two wire Hydrogen Transmitter

Two Wire Process Hydrogen analyzer

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

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

optional  1/2 G Ex ia IIC T4 (ATEX)
(for oxygen applications)

- **One User specific measuring range**

The unit will offer with ranges between 100 ppm – 10% of hydrogen.

- **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.

In the percent range the unit can calibrated with air.

- **Features**

./ compact
./ inexpensive
./ Sensor with long operating life
./ IP65 enclosure
./ reverse voltage protection and temperature compensation



- **Flow-through measuring cell in Stainless Steel**

- The measuring cell is modular and is made of stainless steel
- A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit

Specification

Measuring ranges	
ppm	: 100 – 100000 ppm H ₂ (10%)
Calibration	: with calibration gas, air
Accuracy	: +/- 2% FSD T= const. +/- 5% FSD 0>T>50°C
Resolution	: 1 ppm < 0-10000 ppm 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	: Micro-Fuel Cell,
housing	: IP65
Size	: 4.7 x 6.3 x 2.56 (B x H x T)
Weight	: 2.65 lb

Typical

- different sensors variable
- 316 SS Stainless steel Cell block

For Ordering:

H2Tran – (Range)
OR
For Oxygen Applications: H2Trans-ATEX-(Range)