


# H<sub>2</sub>Trans

## 4 – 20 mA Loop Powered two wire Hydrogen Transmitter

### Two Wire Process Hydrogen analyzer

The Model H<sub>2</sub>Trans 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.

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

- **User specific measuring range**

The unit will offer with ranges between 0-100 ppm or 0 – 10000ppm 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.

- **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 : 0-100 or 0- 10000 ppm H<sub>2</sub>

max H<sub>2</sub> levels aloud, it is necessary to switch off the system over 2% H<sub>2</sub> in pure oxygen

Calibration : with calibration gas

Accuracy : +/- 2% FSD T= const.  
 +/- 5% FSD 0>T>50°C

Resolution : 0.1 ppm

Response time T90 : 0-1% @45sec

Operating Temperature : 0 - 50°C

Pressure : 0.1 - 1 bar

Signal output : 4 -20 mA/DC

Flow rate : 1 L/min

Connections : 6mm

Voltage : 10 – 35 VDC  
 reverse voltage protection  
 up to 40VDC

load : typ. 470 Ohm,  
 max. 750 Ohm

Display : 6 Digits, alphanumeric  
 with bar graph

sensor : Electrochemical

Cell, housing : IP65

Size : 4.7 x 6.3 x 2.56 (B x H x T)

Weight : 2.65 lb

**Typical**

- Electro chemical sensor
- 316 SS Stainless Steel Cell block

**For Ordering:**

See table

**Available Ranges/Configurations**

H2-Trans-1	0-100ppm
H2-Trans-2	0-10000ppm
H2-Trans-ATEX-1	0-100ppm
H2-Trans-ATEX-2	0-10000ppm

