

H2 Sensor

For measuring concentrations of hydrogen with digital display



Hydrogen sensor with digital display

The H2 sensor enables nitriding and carburizing atmospheres to be easily measured. In all applications, only a free inlet to the furnace atmosphere is required. The created electrical signal is a measurement for the hydrogen content of the analysed gas.

Measuring principle: Heat conductivity of the measuring gas in nitrogen, ammonia, hydrogen and carbonic gases. Can be used for nitriding, nitrocarburizing, oxynitriding, X-nitriding as well as carburizing processes. Simple installation, e.g. by convection pipe connection which is located within the gas atmosphere.

With calibration gas connection and electric connection via connector.

The sensor works according to the diffusion principle -

no exhaust gas via sensor.

The sensor can be connected directly to the 4-20 mA input of the automation device (e.g. recorder, programmer etc.)

Backlit LCD display with H2 value and operating data display - thereby operation possible even without separate evaluation electronic.

Fields of application:

- Nitriding
- Nitrocarburizing
- Oxynitriding
- X-Nitriding
- Carburizing processes





