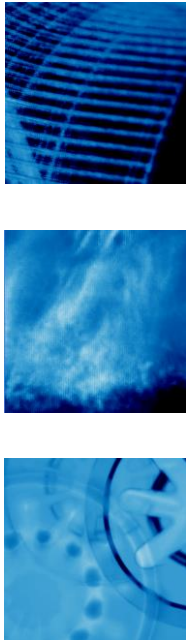


Handheld multi-range gas leak detector for Hydrogen (H₂)

- Handheld multi-range gas leak detector with suction pump for the selective detection of Hydrogen (H₂)
- Display of the detected gas concentration value from low ppm range up to "Lower Explosive Limit" (LEL) in Vol%
- Additional display of the detected gas concentration value from low ppm range up to 1000 ppm by bar graph
- Automatic measuring range change-over
- Additional display of concentration thresholds (10, 100, 1000 ppm and 1 Vol%) by LED (optional customized factory calibration)
- Intermittent tone signal reflecting concentration value by speed and continuous tone signal at 1 Vol% (can be switched off)
- Automatic zero setting on air after switch on
- Automatic sensor check with error recognition
- ...



Preliminary selected technical data

Measurement range (H₂)	1 ppm ... 999 ppm, 0,1 Vol%... 4,0 Vol%
Resolution	1 ppm / 0,1 Vol% depending on the display range
Response time	ca. 2 s
Time to operation readiness	ca. 120 s
Gas sensor	MOX gas sensor element (GGS 1000 + 6000 series)
Flow rate of suction pump	ca. 40 ml/min
Dimensions (Length x Width x Height)	ca. 180 mm x 50 mm x 28 mm (without sensor extension flex)
Sensor extension flex (Length)	ca. 300 mm
Net weight	ca. 440 g (without charger)
Rechargeable battery power pack	4 x 1,2 V NiMH, to be charged from the mains using the charger supplied with the gas leak detector
Operating time (power pack is fully charged)	ca. 6 h
Allowable operating temperature	-5 °C... +40°C

Allowable storage and transportation temperature/humidity	-25 °C ... +70°C / 20... 80 % r.H. (non-condensing)
Allowable operating, transport and storage conditions	Any contamination of the gas sensor must be avoided. The application, transport and storage environment has to be free of any contamination, particularly protected against chemical substances, e.g. silicones. In particular directly contact with substances containing, silicones, sulphurous substances or non-desorbing inorganic components or contaminations (e.g. smoke, fumes, oils, greases or evaporating liquids) may cause damaging the sensor or to changes in the sensor resistance and/or in the sensor characteristics. Possible consequences are reduced sensitivity, display of misleading concentration values, or display of a background concentration.
Conformity	2011/65/EU: Restriction of the use of Hazardous Substances Directive (RoHS)

UST Umweltsensortechnik GmbH is certified according to

