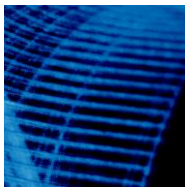
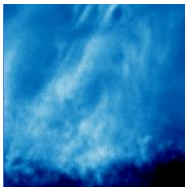
Gas leak detector for Hydrogen (H_2)


- Handheld gas leak detector for the selective detection of hydrogen (H_2)
- Specific metal-oxide(MOX)-semiconductor gas sensor element (GGS 1000 and GGS 6000 series)
- Flex arm between device and sensor head (length 300 mm / standard)
- Display of the detected H_2-concentration value from the lower ppm-range up to the LEL 4 Vol% H_2 (**LEL**... **L**ower **E**xplosive **L**imit)
- Automatic switching of detection range
- Additional linear, cumulative display of the level of the detected concentration values up to 10000 ppm / 1 Vol% by bar graph (20 steps/ segments, from left to right) on LCD
- Display of reached or exceeded concentration threshold values (≥ 10 ppm, ≥ 100 ppm, ≥ 1000 ppm and ≥ 1 Vol%) by LED
- Concentration-dependent increasing intermittent acoustic signal tone (can be switched off); continuous tone ≥ LEL 4 Vol% H_2 (cannot be switched off)
- Automatic zero setting on air after switch on
- Suppression of background concentrations up to 250 ppm by SET-key
- Automatic sensor check with error recognition
- Integrated rechargeable NiMH-Battery-Pack
- Robust aluminium handheld case

Docking station / charging stand for HydrogenPower (optional)

HydrogenPower in equipment case (equipment case optional)

*Gas leak detector **HydrogenPower***

Selected technical data

Detection ranges H_2	1 ppm...999 ppm / 0,1 Vol%...4 Vol% (resolution 1 ppm / 0,1 Vol%)
Response time	ca. 2 s
Time to operation readiness	≤ 120 s
Gas sensor	Specific metal-oxide(MOX)-semiconductor gas sensor element (GGS 1000 and GGS 6000 series)
Integrated suction pump flow rate	ca. 40 ml/min
Dimensions Device (Length x Wide x Height)	ca. 180 x 50 x 28 mm (without flex arm)
Sensor head (Ø x Length)	ca. 14 mm x 25 mm (standard)
Flex arm (Length)	ca. 300 mm (standard)
Net weight	ca. 440 g (without plug-in charger)
Power consumption	ca. 0,85 VA
Integrated rechargeable battery power pack	4 x 1,2 V NiMH, to be charged from the mains using the plug-in charger supplied with the gas leak detector
Operating time	≥ 6 h (power pack is fully charged))
Allowable operating temperature/humidity	0°C… +40°C / 20… 80% r. F. (non-condensing)
Allowable storage and transportation temperature/humidity	-25°C… +70°C / 20… 80% r. F. (non-condensing)

Allowable operating, transport and storage conditions
Any contamination of the device and in particular 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.

Scope of delivery	Gas leak detector, plug-in charger, user manual
Optional	Various equipment cases (plastic PP - hard-top case with insert part and case lid pad)
	Docking station / charging stand without plug-in charger, L x W x H ca. 78 x 93 x 39 mm, plastic PVC, net weight ca. 210 g)
	Flex arm, length ca. 150 mm
	Flex arm, length ca. 500 mm
	Sensor head SMH (Small Head), *dimensions see drawing* 

Conformity:
2011/65/EU: Restriction of the use of Hazardous Substances Directive (RoHS)

Made in Germany

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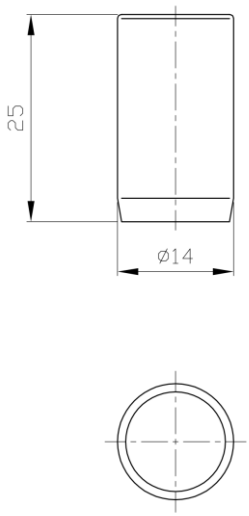
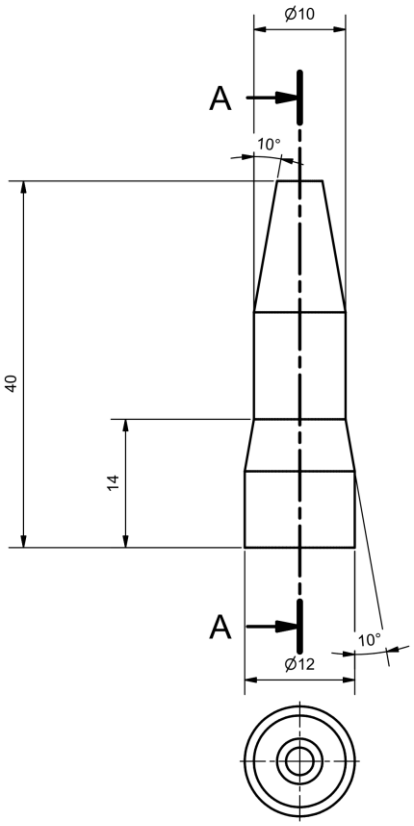
Gas leak detector for Hydrogen (H_2)

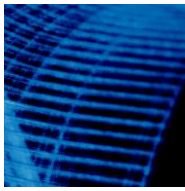
Available variants of sensor head

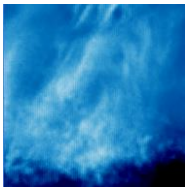
Standard



SMH (Small Head)







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