

Sensistor® ISH2000 Hydrogen Leak Detector

The Sensistor ISH2000 is a robust instrument for professional leak detection, both manual and automatic. The unique method involving the use of inexpensive forming gas (5 % hydrogen and 95 %nitrogen) as tracer gas. This combines unmatched measuring properties with user-friendly technology, low costs and minimal service requirements. This makes the Sensistor ISH2000 the best option for a wide range of production and maintenance applications. It is especially suitable for finding leaks of a size that would leak liquids such as water, fuel and oils or in environments with occasional large leaks.



Sensistor ISH2000 Hydrogen Leak Detector is available as desktop and panel versions.

BENEFITS

- Smart accessories adapt the detector to a wide range of testing situations - from manual sniffing to fully automatic chamber testing
- Low maintenance thanks to no moving parts
- High sensitivity combined with excellent performance in high concentrations, makes it easy to locate leaks
- Short recovery time reduces downtime when detecting gross leaks
- Easy sensor fitting allows the operator to replace the sensor in a matter of seconds
- Long autonomy – fast charging (for battery-powered model)
- The Sensistor ISH2000C is portable and battery powered for maximum freedom. Also perfect in rough environments

FEATURES

- Design for tough industrial environments
- Simple and intuitive user interface
- Low maintenance
- Fast sensor reaction, fast recovery
- Highly selective hydrogen sensor
- Manual sniffing or automatic sampling
- Ergonomic hand probe with built-in intelligence facilitates the operator's control of the instrument
- 3, 6 or 9 m (9.8, 19.6 or 29.5 ft) probe cable
- Integrates with INFICON Tracer Gas Fillers

ORDER INFORMATION

Type	Sensistor ISH2000 Hydrogen Leak Detector, desktop model	Sensistor ISH2000P Hydrogen Leak Detector, panel model
Sensistor ISH2000, Hydrogen Leak Detector, desktop model	590-750	
Sensistor ISH2000P, Hydrogen Leak Detector, panel model		590-760

SPECIFICATIONS

Type	Sensistor ISH2000 Hydrogen Leak Detector, desktop model	Sensistor ISH2000P Hydrogen Leak Detector, panel model
Minimum Detectable Leak Rate		
Locating Mode with P50/PK50 Standard Probe	1x10 ⁻⁷ mbarl/s or cc/s with 5% H ₂	1x10 ⁻⁷ mbarl/s or cc/s with 5% H ₂
Measuring Mode with P50/PK50 Standard Probe	0,5 ppm H ₂ ; 5x10 ⁻⁷ mbar l/s or cc/s with 5% H ₂	0,5 ppm H ₂ ; 5x10 ⁻⁷ mbar l/s or cc/s with 5% H ₂
Start Time	1 min	1 min
Calibration	External calibration leak or calibration gas	External calibration leak or calibration gas
Input/Output	25 pin, D-Sub with status signals 24 VDC / 0.5A 9 pin, D-Sub with RS232 Probe connector	25 pin, D-Sub with status signals 24 VDC / 0.5A 9 pin, D-Sub with RS232 Probe connector
Maintenance	none	none
Power Supply	100 – 240 VAC, 50/60 Hz, 2 A	24 VDC, 3 A
Dimensions (WxHxD)	275 x 157 x 170 mm (10.8 x 6.1 x 6.6 in.)	275 x 137 x 81 mm (10.8 x 5.3 x 3.1 in.)
Weight (excl. probe and probe cable)	3.9 kg (8.6 lb.)	1.7 kg (3.7 lb.)
Operating Time	-	-
Charging Time	-	-

SPAREPARTS

	Sensistor ISH2000 Hydrogen Leak Detector, desktop model	Sensistor ISH2000P Hydrogen Leak Detector, panel model
C21 Probe Cable, 3m (for Hand Probe P60, P60 Flex, P50, P50 Flex, H50, H51 and H21)	590-161	590-161
C21 Probe Cable, 6m (for Hand Probe P60, P60 Flex, P50, P50 Flex, H50, H51 and H21)	590-175	590-175
C21 Probe Cable, 9m (for Hand Probe P60, P60 Flex, P50, P50 Flex, H50, H51 and H21)	590-165	590-165
Sensor Key (for Hand Probe P60, P60 Flex, P50, P50 Flex, PX50 and PX50 Flex)	598-147	598-147

ACCESSORIES

	Sensistor ISH2000 Hydrogen Leak Detector, desktop model	Sensistor ISH2000P Hydrogen Leak Detector, panel model
AP29ECO Sampling Probe, 1cc/s	590-036	590-036
AP29ECO Sampling Probe, 3cc/s	590-035	590-035
Calibration Leak Type A, 5x10E-2 mbarl/s @1bar	590-420	590-420
Calibration Leak Type B, 5x10E-3 mbarl/s @1bar	590-421	590-421
Calibration Leak Type C, 5x10E-4 mbarl/s @1bar	590-422	590-422
Calibration Leak Type E, 10g/a	590-427	590-427
Calibration Leak Type G, 3g/a	590-429	590-429
Combox (incl. C21 cable 3m), to connect H65,AP29ECO, AP55 and AP57 with Sensistor ISH2000 Hydrogen Leak Detector	590-820	590-820
Hand Probe P50 (rigid neck)	590-780	590-780
Hand Probe P50 Flex (flexible neck)	590-790	590-790
Robot Probe R50 (excl. C21 cable 3m and Combox)	590-925	590-925
Robot Probe R50 (incl. C21 cable 3m and Combox)	590-920	590-920
Sensistor ILS500 F Leak Detection Filler	590-571	590-571
Sensistor ILS500 F-HP Leak Detection Filler, high pressure model	590-573	590-573
Tracer Gas Filler TGF11, low pressure version (0.05 - 2 barg/ 0.7 - 29 PSIG)	590-559	590-559
Tracer Gas Filler TGF11, standard pressure version (0.3 - 10 barg /4.4 - 145 PSIG)	590-558	590-558

CONSUMABLES

	Sensistor ISH2000 Hydrogen Leak Detector, desktop model	Sensistor ISH2000P Hydrogen Leak Detector, panel model
Insert Probe H65	590-250	590-250
Probe Tip Filters, 50 pcs	591-234	591-234
Probe Tip Protection Caps, 50 pcs (for Hand Probe P60, P60 Flex, P50, P50 Flex, PK50, PK50 Flex, H50 and H51)	591-273	591-273
Probe Tip Protection Caps, 500 pcs (for Hand Probe P50, P50 Flex, P60, P60 Flex, PK50, PK50 Flex, H50 and H51)	590-625	590-625
Replacement Hydrogen Sensor for Hand Probe P60, P60 Flex, P50, P50 Flex, PX57, PX50 Flex,PK50 and PK50 Flex	590-292	590-292

