



AP55

Sniffer Probe

LOCATE AND MEASURE LEAK SIZE SIMULTANEOUSLY

The AP55 Sniffer Probe is an accessory to the Sensistor ISH2000 Hydrogen Leak Detector. With the AP55 Sniffer Probe, you are ready to locate a leak and measure its size in one single operation. It is also the perfect choice for leak detection in environments where external factors like wind can affect your test results.

While the Sensistor ISH2000 standard hand probe detects tracer gas without drawing a sniffer flow, the AP55 Sniffer Probe offers additional capabilities. Thanks to the position of the sensor at the tip of the probe, it can be used for leak locating in passive mode and the suction flow only needs to be activated when you measure. The sensor assures that the gas indication is immediate since the tracer gas does not have to be transported through the probe cable to produce a reading.

The AP55 belongs to a family of leak detection instruments based on the hydrogen method. This method involves injecting a safe, environmentally friendly tracer gas containing 5% hydrogen in nitrogen into the test object. A unique 100% selective hydrogen sensor is utilized to locate the position and size of a leak.

FEATURES AT A GLANCE

- Fast and precise leak locating
- Toggle between sniffer flow and no-flow
- Pass/reject indicator on the probe handle
- Automatic overexposure protection
- Simple calibration
- Allows leak detection in hard to reach places (adapter needed)

HOW IT WORKS

LOCATING LEAKS IS FAST AND SIMPLE

The AP55 is controlled by the Sensistor ISH2000 Hydrogen Leak Detector and is extremely simple to calibrate and use. The leak test procedure begins by filling the test object with tracer gas, e.g. using the TGF10 Tracer Gas Filler or the Sensistor ILS500 F Leak Detection Filler. Next the operator locates the leak using the AP55 in non-flow sniffing mode. The sensor in the probe tip reacts immediately when it comes near a leak.

QUANTITATIVE MEASUREMENT THE EASY WAY

When a leak has been located, the operator removes the tip of the leak, switches to flow mode by simply pressing a button and puts the probe tip on the leak again. The instrument performs a quantitative measurement and presents the result on the display, indicating whether the size of the leak is above or below the preset limit. The same result is indicated with a red/green LED light on the probe handle.



TIME SAVING FUNCTIONS

The AP55 can also be set for automatic overexposure protection by purge flow, which shortens both the measurement time and the recovery time for major leaks. Calibration of the instrument with calibration gas or a reference leak is performed by a simple turn of a knob. The instrument is then set automatically to the correct value.

SPECIFICATIONS

Minimum detectable leak rate

Locating Mode	5×10^{-7} mbarl/s or atm cc/s of 5% H ₂ tracer gas (with sniffer flow off)
Measuring Mode	0,5 ppm H ₂ ; 1×10^{-5} mbarl/s or atm cc/s of 5% H ₂ tracer gas (with standard sniffer flow)
Supplies	Electrical Supply 24 V (dc) from the Sensistor ISH2000 Hydrogen Leak Detector
Fresh Air	Fresh air with no H ₂ contamination (atmospheric pressure). Connector: ISO G1/8"
Compressed Air	400-800kPa(4-8bar,58-116PSI)/filtered to 40 µm. Connector: ISO G1/8"
Sniffer flow	1.0 cc/s
Purge Flow	approx. 17 cc/s
Dimensions (H x W x D)	275 mm x 205 mm x 100 mm (11 in. x 8 in. x 4 in.)
Weight	4.6 kg (10.1 lb.)
Compatibility	Sensistor ISH2000 Hydrogen Leak Detector TGF10 Tracer Gas Filler ILS500 Leak Detection System ILS500F Leak Detection Filler

ORDERING INFORMATION

AP55 Sniffer Probe	Part no. 590-550
Includes Bus Cable 1 m, Fluid Cable 3 m, Cable C21 0.3 m and Hand Probe H55. Requires Combox (P/N 590-820) if connected to Sensistor ISH2000 Hydrogen Leak Detector (or previous model ASH2000)	



The AP55 Sniffer Probe module with hand probe unit.