

D-TEK Stratus

SF₆ leak detectors



Cloud hunting in ppm and exact pinpointing, with a single instrument

D-TEK Stratus

SF₆ leak detector

amperis

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Infrared leak detection for SF₆, refrigerants and ammonia.

Product overview



The detector, with its flexible probe and the concentration display

Two detectors in a single unit

The D-TEK Stratus combines the hunting of the gas cloud with the precise pinpointing of the leak: the LCD display shows the concentration in ppm to narrow down the area and the recorded maximum, while the classic pinpoint mode marks the exact escape.

A sensor for every job

The standard infrared sensor detects SF₆, ammonia and the CFC, HCFC, HFC and HFO refrigerants, including A2L blends; the optional CO₂ and flammable refrigerant sensors are swapped in seconds, without tools.

Main features

- Sensor life up to 2,000 hours, the longest in its class.
- Sensitivity that does not degrade over time.
- Automatic or manual zeroing.
- Lithium-ion battery: 8-10 h, quick charge, field replacement.
- Operates even while charging via USB-C.
- Rugged carrying case included.



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Kit and applications



Hunting the cloud with the ppm concentration readout

Kit contents

- Detector with the infrared refrigerant sensor.
- Rechargeable lithium-ion battery and AC wall charger with USB-C cable.
- Spare filters and extra-long probe.
- Earbuds and rugged carrying case.

Applications

- SF₆ leaks in circuit breakers, GIS cubicles and substation switchgear.
- Industrial air conditioning and refrigeration, including A2L refrigerants.
- Ammonia and CO₂ installations, with the corresponding sensors.
- Verification of the detector with calibrated reference leaks.

Usage note

The detector is not ATEX certified: local requirements must be checked before working in classified areas.



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D-TEK STRATUS – MEASUREMENT DATA

Test standard	EN 14624:2020
Sensitivity with R134a	1 g/yr
Sensitivity with R1234yf	0.5 g/yr
Sensitivity with ammonia	3 g/yr
Sensitivity with R744 (CO₂)	2 g/yr, with the optional CO ₂ sensor
Sensitivity with R290	5 g/yr, with the optional flammable sensor
SF₆ detection	With the standard refrigerant sensor
Measuring modes	Cloud hunting with ppm readout and precise pinpointing
Zeroing	Automatic or manual

The manufacturer does not publish a specific sensitivity figure for SF₆.
Sensitivities tested to the EN 14624 standard.



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D-TEK STRATUS – TECHNICAL SPECIFICATIONS

Principle	Interchangeable infrared sensor
Sensors	Refrigerants (includes SF ₆ and ammonia); optional CO ₂ and flammables
Sensor life	Up to 2,000 hours
Power	Rechargeable lithium-ion battery; USB-C, operates while charging
Battery life	8 h in cloud hunting; 10 h in pinpoint mode
Probe	Flexible, 43 cm; optional 69 cm extra-long probe
Weight	590 g
Certifications	EN 14624:2020; A2L certified; CE
Kit	Sensor, battery, filters, USB-C charger, extra-long probe, earbuds, case
Accessories	CO ₂ and flammable sensors, reference leaks, charging cradle, needle extension



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