

HUNTER SF₆

Gas detection and measurement device for professional SF₆ leak detection



- Integrated pump for active gas intake
- Flexible probes for different system types and measuring points
- Large, clear display
- Long operating time for all-day inspections
- Digital connection via Esders Connect

EXAMPLES OF PRACTICAL APPLICATIONS



HUNTER SF₆

Sulphur hexafluoride (SF₆) has been used for decades as an insulating and extinguishing gas in medium and high-voltage switchgear. Technically, SF₆ has a number of advantages, but at the same time it is one of the most climate-impacting greenhouse gases known, which also remains in the atmosphere for a long time.

HUNTER SF₆ can be used to reliably detect leaks and evaluate them directly on site. This creates a reliable basis for compliant testing and maintenance processes in accordance with specified guidelines and standards.



TECHNICAL DATA

Dimensions	205 x 105 x 86 mm incl. connection nipple	
Weight	approx. 1.115 g	
Pump	> 40 l/h, > 300 mbar	
Display	LCD graphic display with 240 x 160 pixels; with touch screen function and backlighting; display of measured values; maximum value and bar chart	
Power supply	Lithium-ion battery, 3.6 V, 6700 mAh	
Charging voltage	12 V DC	
Charging current	Power supply unit 230 V or car adapter, 12 V, approx. 5 hours	
Operating time	> 10 hours (without lighting) Warning message when recharging is required, automatic switch-off when voltage is too low	
Operating conditions	Temperature	-10 °C to +50 °C
	Humidity	0–90% relative humidity (non-condensing)
	Ambient pressure	800 - 1100 hPa
Storage conditions	Temperature	-20 °C to +50 °C
	Humidity	0–90% relative humidity (non-condensing)
Protection class	IP 52	
Indication	Visual via digital concentration indicators (ppm, g/year) Alarm LEDs Acoustic via audible signal	
Data storage	> 2.000.000 measured values (depending on the measurement duration)	
Warranty	12 months	
Expected service life	Measuring device	> 5 years
	Data storage	> 10 years

GAS SENSORS

SF ₆ measuring principle	Detection limit	Measuring range	Resolution*	Accuracy
Non-dispersive infrared absorption (NDIR)	3 g/a	0 – 10 ppm	0,1 ppm	±10 % of the final value
		10 - 1000 ppm	1 ppm	±10% of the final value

Subject to technical changes! Status: 2026/01

