

SF6 LEAKCHECK P1 XTL



APPLICATIONS

- Mobile, highly sensitive leak detection and measurement on SF6 and C4-FN insulated switchgear in the field
- Mobile Leak Measurement and Leak Detection on SF6 Filled Components
- Leak detection and measurement on GIS
- Leak detection and measurement at GIL
- Leak measurement and leak detection on military equipment, e.g. Torpedoes
- Inspection of fume hoods

FEATURES

- Wireless handset
- Inductive charging
- Highly sensitive 1×10^{-8} ml/s
- C4-FN compatible
- Maximum availability thanks to interchangeable SmartSensors
- Very short response and recovery times
- No warm-up or break-in time necessary
- High ease of use
- Docking station
- Immunity to 100% SF6 concentration
- Robust Peli Protector Trolley

P1 SmartSensor

Wireless handset

Inductive charging station

Storage for power cables, operating instructions and accessories

Depot for 3 pieces P1 SmartSensor

Peli Protector Trolley

World first: Clear status visualization with multi-color LED **projector Alarm** in the inspector's direct field of vision



THE NEW CORDLESS AND HIGHLY SENSITIVE ALL-ROUND LEAK DETECTOR FOR SF6 and mixed gases with C4-FN.

Based on the globally successful SF6 LEAKCHECK P1:p, the new LEAKCHECK P1 XTL has been developed for more convenient leak detection.

The portable version of the all-round leak detector is characterized by high reliability and measurement reliability, which for the first time in the world offers maximum measuring comfort with a cordless and ultra-compact handheld device.

In normal operation, the operation of the device is limited to switching it on and off. Since the inspector does not want to measure a leak, but first wants to search for and find a leak, P1 XTL automatically starts in search mode. If the sniffer probe approaches an unknown leak, a sound signal, optionally a vibration message from the handheld device, is emitted. The touchscreen arranged in the field of view of the inspector signals full deflection in this operating mode. The programmable alarm limit value serves as an objective decision between the 'OK' and 'NOT OK' test specimens. To display the current leak rate, the operator switches to "measurement mode" at the touch of a button on the handset. The leak size is immediately displayed in the desired unit of measurement.

SMART SENSORS

All parts of the system that are subject to wear and tear are housed in the pluggable Smart Sensor. This can be replaced within a few seconds. This means that maintenance intervals are longer and the availability of the P1 XTL is significantly increased. The constant operational readiness of the device is ensured by the three sensors included in the scope of delivery.

SPECIFICATIONS

Detector	NIC
Proof	SF6 and mixed gases with C4-FN
Sensitivity	Standard 1.0E-7 ml/s - 1.0 ppm 0.01 g/year (SF6) HIGHsens 1.0E-8 ml/s - 0.1 ppm 0.001 g/year (SF6)
Response time t90	approx. 0.5 s
Recovery time t10	approx. 0.5 s
Alerting	Sound output, LED projector alarm, Vibration alarm in the handheld device
Display	2.8" OLED Touch Display
Self-diagnosis	Suction quantity, sensor service life, Battery Health, Hardware Failure
Battery	Handheld: Li-ion with inductive charging in the docking station
Storage	-10°C ... 60°C
Operating temperature.	-20°C ... 50°C
Operating voltage	100-240VAC 50/60Hz
Dimension	Case 420 x 240 x 470 mm Handheld device 300 x 105 x 90 mm
Weight	Handheld 750 g Case 9.8 kg

SF6 LEAKCHECK P1



PELI STORM PROTECTOR CASES

'Peli Storm Cases' are waterproof and unbreakable. The case is equipped with an automatic ventilation valve. Its surface is resistant to corrosion, dents and scratches.

For transport, all components can be safely stowed in the case, and the docking station of the handheld device is conveniently moved into a parking position.

UNRESTRICTED TEST OPERATION

The SF6 LEAKCHECK P1 XTL can be used worldwide from 100 to 240 VAC thanks to the integrated wide-range power supply. The P1 XT handheld device also works for approx. 24 hours in mains-independent battery mode. The charging process does not require any supervision. The device can remain permanently connected to the mains.

If necessary, a standby mode can be selected. As soon as the handset is put down, the P1 XT is completely or partially deactivated. The return to normal operation takes place automatically when the control unit is taken up again.

In addition to the large-area display of measured values, the OLED touch screen built into the handheld device enables intuitive and convenient input of parameters. Required buttons or keyboards are displayed if necessary.

Detailed knowledge of the setting is therefore not necessary.

SCOPE OF DELIVERY

1 piece	SF6 LEAKCHECK P1 XT Wireless Handset
1 piece	SF6 LEAKCHECK P1 XTL PELI Trolley with Docking Station
3 pieces	SmartSensor, calibrated
1 piece	Power Cord
1 piece	Instruction manual in German
1 piece	Calibration certificate

Delivery period	Tba
Warranty	12 months



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