NL CLOUD

Datasheet version 210527

Features & Specifications

Analysis Tools

Analyze compressed air leak snapshots	Compressed air leak recognition Air leak size estimate Air leak cost estimate ISO 50001 compatible reporting
Partial discharge type classification	PRPD pattern Negative corona Positive corona Floating discharge Surface or internal discharge
Partial discharge severity assessment	Partial discharge description Recommended actions Assesses PD severity between low, medium, high, and very high
Additional analysis features	Sound pressure level Time domain signal FFT spectrum STFT spectrogram Cepstrum Autocorrelation
Dynamic range slider	Adjust the dynamic range to either pinpoint the strongest source or reveal multiple sources

Other features

Video playback	Watch the videos recorded with the NL Camera
Audio playback	Inspect the audio recorded with the NL Camera

Automatic Reporting & Backup

Reports	Automatically generate PDF reports
Data export	Data export to MS Excel
Backup	Store and back up NL Camera snapshots
Snapshot browsing	Browse and view snapshots online immediately after capture

Requirements

Device	Smart mobile device or computer with a modern web-enabled operating system
Internet browser	Any modern browser, e.g. Google Chrome, Microsoft Edge, Mozilla Firefox
Data transmission	WiFi for direct upload between the camera and the cloud Optional USB flash drive

Supported Languages

Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese
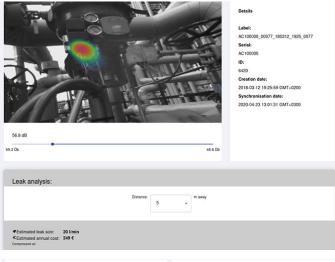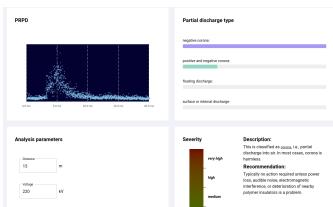
The NL Cloud is a machine learning-powered cloud service included with the NL Camera. Users can automatically back up and store images taken with the NL Camera in the NL Cloud. All the data the images contain is immediately available for viewing. You can also watch the videos recorded with the NL Camera in the NL Cloud.

The NL Cloud offers advanced machine learning based analysis for air leaks or partial discharges:

- When using the leak version of the camera, the NL Cloud will analyze the leak's size and calculate a leak cost estimate.
- When using the partial discharge version of the camera, the NL Cloud will show the PRPD (Phase Resolved Partial Discharge) pattern, analyze the type and severity of the partial discharge, and give action recommendations.

The NL Cloud generates in-depth reports with a PDF export option. The leak report is ISO 50001-compatible.

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