

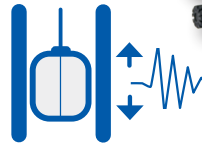
RideAnalyzer

Now with Integrated Sound Analysis

The **RideAnalyzer** is a compact, user-friendly measurement device designed for the fast and automated evaluation of elevator rides in accordance with ISO 8100-34. All sensors and the evaluation unit are integrated into a single robust housing – no external hardware or laptop required. Operation is intuitive, and results are available immediately after the ride.

New Feature: Microphone Module for Sound Analysis
Interference noises are recorded and analyzed during the ride, and a diagnostic report is generated – ideal for detecting operational noises and acoustic irregularities in the shaft or mechanical components.

The **RideAnalyzer** is the ideal tool for technicians, planners, and inspectors to quickly and reliably adjust and document elevator systems and, if necessary, detect sources of error – now also with the option of recording acoustic quality parameters.



Features

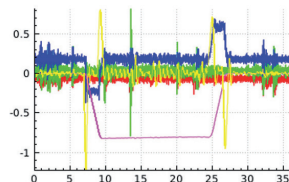
- **Automated analysis** of vibrations, acceleration, deceleration, jerk, and speed in x, y, and z directions
- **Weighted sound analysis** with live dB(A) display on the device and detailed evaluation via software
- **Graphical ride profile** for easy interpretation and analysis
- **Full documentation** of ride parameters and generation of detailed reports
- **Fault diagnostics** with position display within the shaft
- **Intuitive operation** with no training required

Evaluation

Ride quality according to ISO 8100-34

ISO Fahrqualität [m/s ²]	X	Y	Z konst.	Z n. konst.
Max. Pk to Pk	0,073	0,261	0,237	0,165
A95	0,047	0,115	0,154	0,126
Rohdaten [m/s ²] (10 Hz LP)				
Max. Pk to Pk		0,154	0,469	0,284
A95		0,095	0,254	0,201
Max. 0 to Pk		0,099	0,286	0,169

Graphical representation of acceleration, distance, speed and jerk.



Adjustment of individual limit values for each elevator type

	A	B	C	D	E	F
ISO X P/P	0.030	0.027	0.055	0.100	0.150	0.020
ISO X A95	0.025	0.015	0.030	0.098	0.120	0.010
LP 10Hz X-axis P/P	0.040	0.038	0.030	0.025	0.200	0.017
BP 10-75Hz X-axis P/P	0.365	0.280	0.650	0.485	0.200	0.900
ISO Y P/P	0.100	0.110	0.250	0.090	0.200	0.350
ISO Y A95	0.050	0.060	0.070	0.040	0.030	0.020
LP 10Hz Y-axis P/P	0.200	0.300	0.400	0.500	0.600	0.700
BP 10-75Hz Y-axis P/P	0.150	0.200	0.320	0.110	0.095	0.100
ISO Z const. P/P	0.500	0.500	0.600	0.090	0.100	0.450
ISO Z const. A95	0.200	0.200	0.200	0.120	0.340	0.250
LP 10Hz Z-axis const. P/P	0.600	0.600	0.500	0.500	0.300	0.400
BP 10-75Hz X-axis const. P/P	0.600	0.600	0.500	0.500	0.400	0.300
ISO Z non-const. P/P	0.900	0.700	0.400	0.550	0.300	0.100

Direct measurement and evaluation

- Vibrations
- Route
- Ride quality
- ∅ Travel speed
- ∅ Ride time
- Noise level

Assessment of

- Rails
- Traction sheaves
- Drive
- and many more ...