

The RideAnalyzer is an adjustment aid for elevators, with automatic evaluation of measurement results.

Brought to you by **Henning** and **Wurtec**, the **RideAnalyzer** is a new measurement tool with an intuitive operating concept that allows for easy and quick measurement and analysis of an elevator ride.

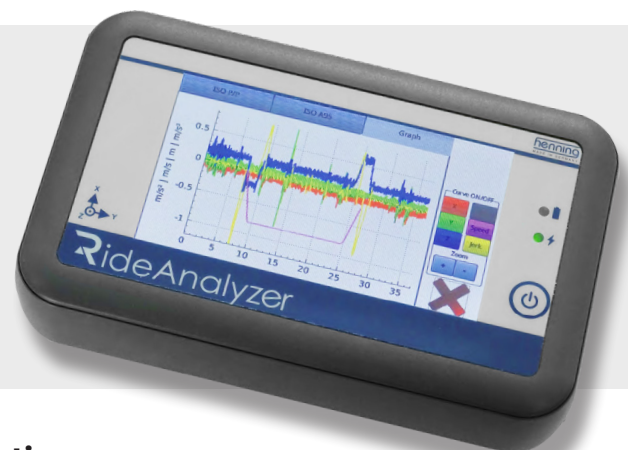
This handy device combines measuring sensors and an evaluation unit in a robust plastic casing. Connection to a laptop or an external evaluation unit is not necessary.

Thanks to the automatic evaluation of measurement results, the device can be used without the need for time-consuming training or instruction, and the information required to adjust or troubleshoot the elevator system is supplied quickly and at a low cost.

The RideAnalyzer is therefore equally suitable for fitters, planners, and surveyors. It is the ideal tool for the efficient adjustment of new systems for checking ride characteristics, inspecting installations, and locating faults.

The RideAnalyzer enables:

- Documentation of ride quality according to ISO 18738
- Setting of concrete ride parameters
- Measurement of acceleration, deceleration, jerk, speed, and distance
- Troubleshooting when defects occur, e.g., rail joints
- Adjusting of individual limit values for each elevator type
- Report creation



Direct measurement and evaluation

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

Assessment of

- Rails
- Drive
- Traction sheaves
- And many more

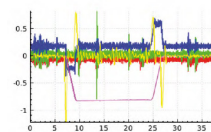
Evaluation

Ride quality according to ISO 18738

ISO Fahrqualität [m/s²]	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	0,135

Rohdaten [m/s²] (10 Hz LP)	X	Y	Z
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

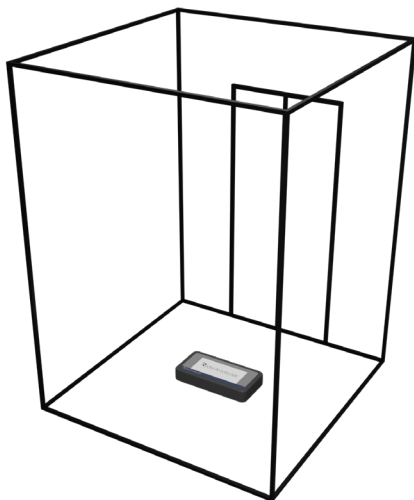


Adjustment of individual limit values for each elevator type

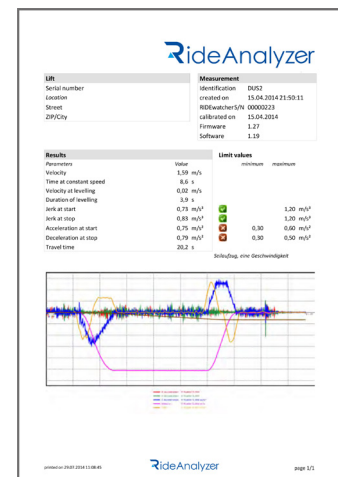
	A	B	C	D	E	F
ISO X Pk-Pk	0.030	0.027	0.055	0.100	0.150	0.020
ISO X A95	0.020	0.015	0.020	0.040	0.070	0.010
LP 10Hz X-axis Pk-Pk	0.040	0.038	0.030	0.025	0.200	0.017
BP 10-75Hz X-axis Pk-Pk	0.365	0.280	0.650	0.485	0.200	0.900
ISO Y Pk-Pk	0.100	0.110	0.250	0.090	0.200	0.350
ISO Y A95	0.050	0.060	0.070	0.040	0.030	0.020
LP 10Hz Y-axis Pk-Pk	0.200	0.300	0.400	0.500	0.600	0.700
BP 10-75Hz Y-axis Pk-Pk	1.150	0.200	0.320	0.110	0.095	0.100
ISO Z konst. Pk-Pk	0.500	0.500	0.600	0.100	0.100	0.400
ISO Z konst. A95	0.200	0.200	0.200	0.120	0.340	0.250
LP 10Hz Z-axis konst. Pk-Pk	0.400	0.400	0.400	0.500	0.300	0.400
BP 10-75Hz Z-axis konst. Pk-Pk	0.400	0.400	0.500	0.100	0.400	0.300
ISO Z konst. A95	0.090	0.700	0.400	0.150	0.300	0.100

How it works

In order to record the ride characteristics of an elevator using **RideAnalyzer**, the sensor is placed in the middle of the cabin and a travel command is given.



As soon as the journey has finished, a ride profile, according to ISO 18738, and other data like speed and acceleration profiles will be made available. These results will be immediately evaluated based on specified characteristic values, and necessary system setting correction can be made as quickly as possible.



RideAnalyzer

Features at a glance

- Ideal tool for saving time and money when setting up elevator systems
- Inspection of ride characteristics
- Automatic evaluation of ride profiles
- Locating faults
- Intuitive operating concept
- Immediate results without time-consuming training
- Documentation of ride quality according to ISO 18738

