

Multimeter for ride profiles

# RideAnalyzer

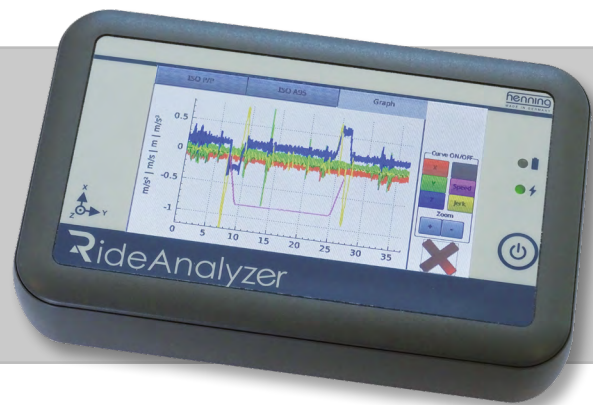
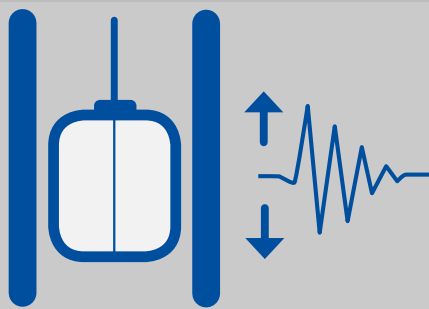


## The **RideAnalyzer** is an adjustment aid for elevators, with automatic evaluation of measurement results

The **RideAnalyzer** is a new measurement tool with an intuitive operating concept that allows for an 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/

instruction and the information required to adjust or troubleshoot the elevator system is supplied quickly and at 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 like, for example, rail joints
- Adjusting of individual limit values for each elevator type
- Creates a report

## Direct measurement and evaluation



Vibrations



Ø Travel speed



Route



Ø Ride time



Ride quality



Noise level

## Assessment of



Rails



Drive



Traction sheaves

and many more ...

## Evaluation:

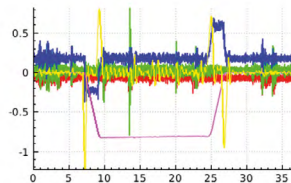
### Ride quality according to ISO 18738

| 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    | 0,126       |

| 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.

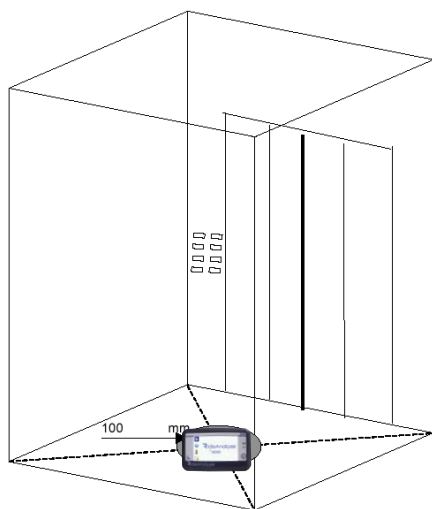


Adjustment of individual limit values for each elevator type

|                              | A     | B     | C     | D     | E     | F     |
|------------------------------|-------|-------|-------|-------|-------|-------|
| ISO X 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 | 0.360 | 0.650 | 0.485 | 0.200 | 0.300 |
| 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 | 0.140 | 0.250 |
| LP 10Hz Z-axis const. P/P    | 0.600 | 0.600 | 0.500 | 0.500 | 0.300 | 0.400 |
| BP 10-75Hz Z-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 |

# RideAnalyzer

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 travel speed and acceleration profiles will be made available. These results will be immediately evaluated based upon specified characteristic values and necessary system setting corrections can be made as quickly as possible.





## Benefits 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 or induction
- Documentation of ride quality according to ISO 18738