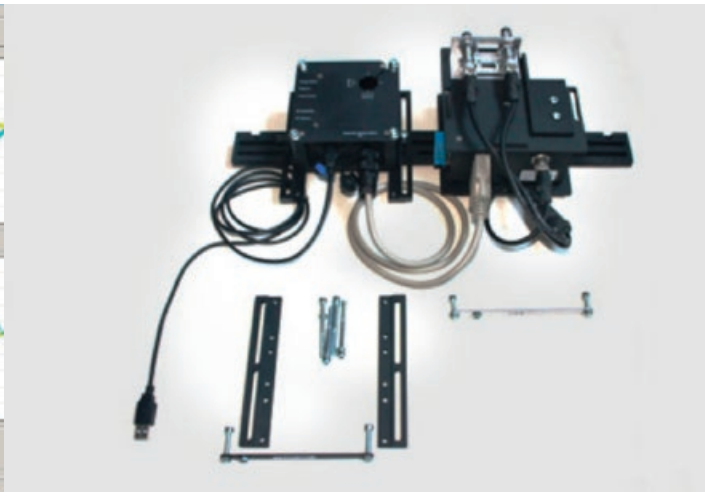


# PG3 Rail Inspect smart

PG3 Rail Inspect records the disalignments of both rails in one go.



## FEATURES AND BENEFITS

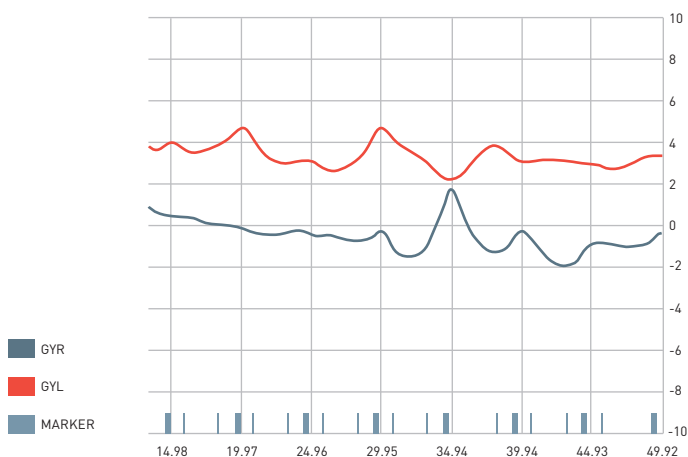
- PG3 Rail Inspect is dedicated to uncover the true alignment of elevator guide rails.
- Based upon approved PG3 measurement system.
- Knowledge of deviations from plumbline allows measures for best ride comfort.
- Two sensor pairs are fixed on the springloaded roller guide shoes on car top.
- User interface is a notebook linked to a controller with graphic display.
- Ergonomic crosshair indicator shows deviations of rail position from plumbed line.
- Wire vibrations are damped by software algorithms.
- Touchless wire sensors measure the wire position with high accuracy  $\pm 0.1$  mm.
- Rail sensors gauge the rail surface 2D with ball bearing wheels — accuracy  $\pm 0.1$  mm.
- Proximity switches watch rail joints and brackets in order to mark the chart.
- An alignment chart recorder takes the shape of the rails during an inspection run.
- The chart shows X and Y deviations from plumb line.
- The record can be printed out by PC software RailScope.
- Additional calculated curves show impact on the cabin caused by disalignment.
- Best ride comfort for all elevators by means of unique measurement technique.
- **PG3 Rail Inspect records the disalignments of both rails in one go.**

## PG3 Rail Inspect smart

### TECHNICAL DATA

	Rail Sensor SMK (2 off)	Wire Sensor SWS-A (2 off)	Proximity switch3 (2 off)	Controller inside SWS-A	Alu case complete
Dimensions L×W×H (mm)	135×135×75	109×109×50	M12×60		510×430×160
Weight (g)	900	520	36		approx. 10 kg
Size of guide rail	any size	any size	any size		
Distance of sensor center and bracket / rail edge	50 mm	35 mm	5 mm		
Plumb wire		Spring steel, min. 0.5 mm			
Electric protection class	SK II	SK II	SK II	SK II	
Protection of housing	IP 31	IP 52	IP 54	IP 52	IP 30
Measuring range (X/Y)	±3 mm	±7 mm	±5 mm		
Resolution (in range of ±2 mm)	<0.05 mm	<0,05 mm		0.01 mm	
Accuracy/Repeatability (in range of ±2 mm)	<0.2 mm / <0.1 mm	<0.2 mm / <0.1 mm	1 mm		
Temperature range	- 15 deg C to +50 deg C <sup>(1)</sup>	- 15 deg C to +50 deg C <sup>(1)</sup>		- 15 deg C to +50 deg C <sup>(1)</sup>	

<sup>(1)</sup> For use under zero deg C read the manual !



**Simplex** is a sophisticated installation and service supplier for the leading manufacturers of elevators and escalators. As a reliable partner based in Croatia we are offering every installation, however ambitious and challenging it may be. Our long-experienced team of 100 elevator experts guarantee the quality of Simplex and thus the most innovative installation solutions.

### SIMPLEX

**Headquarters**  
Vrbska ulica 6  
35208 Gornja Vrba  
Croatia

**Branch office**  
Gutenbergstr. 14  
21465 Reinbek  
Germany

+385 35 250 416  
PG3@simplex.hr  
www.simplex.hr