

# Rail Alignment Gauge PG3 smart RailAdjust

Adjustment of elevator guide rails during installation



## FEATURES AND BENEFITS

- PG3 smart is the new generation of the since 9 years approved PG3 system.
- PG3 stands for excellent alignment of elevator guide rails.
- PG3 was successfully used in most TKE's worldwide major projects.
- From 2.5 mps upwards PG3 should support the rail adjustment.
- We supply exclusively to TKE: a competitive edge!
- Best ride comfort due to premium guide rail alignment.
- Simple operating per mobile phone linked to sensor via Bluetooth.
- App „RailAdjust“ saves deviations in a log file.
- The PC software „RailScope“ prints a hardcopy from the mobiles alignment log — incl. bracket №, date and time.
- Complete equipment comes in one small aluminium case:
  - 1 wire sensor (intelligent, LiPo rechargeable battery) for right rail
  - 1 wire sensor (passive) for left rail, incl. sensor cable
  - 1 mobile phone with app „RailAdjust“
  - 1 set of adapters, e.g. for dbg template
  - Battery charger, USB cable, manual
- Short preparation time per shaft:
  - **screw sensors on,**
  - **zero the system,**
  - **and here we go!**

## Rail Alignment Gauge PG3 smart RailAdjust

### TECHNICAL DATA

	Sensor right rail	Sensor left rail	Mobile phone	Accessoires	Alu case complete
Dimensions L×W×H (mm)	109×109×50	94×94×50	115×48×16		320×260×165
Weight (g)	680	510 (sensor) 440 (cable)	95	550	3,600
Fixation holes	D=6.0mm	D=6.0mm			
Distance between sensor center and body edge (X/Y)	32.5mm	32.5mm			
Plumb wire	Spring steel, min. 0.6mm	Spring steel, min. 0.6mm			
Electric protection class	SK II	SK II	SK II	SK II	
Protection of housing	IP 52	IP 52	IP 52 Motorola Defy+	IP 52	IP 30
Measuring range (X/Y)	±7mm	±7mm	Analogue crosshair display	Distance wire/ rail adjustable	
Resolution (in range of ±2mm)	<0.05mm	<0,05mm	Display 0.01mm		
Accuracy/Repeatability (in range of ±2mm)	<0.2mm / <0.1mm <sup>[2]</sup>	<0.2mm / <0.1mm <sup>[2]</sup>			
Working time (with one battery charge)	1 shift min.		1 shift min.		
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!

<sup>[2]</sup> plus mech. influence (e.g. at Delta T 20 deg C:  
fixing plate <0.05mm and dbg template approx. 0.2mm  
at dbg=2m)



**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