



Vogel & Plötscher

Track and switch
measurement devices

R-Series

Analogue track and switch measuring devices



> Switches



> Track Bed



> Track Gauge





R-Series

The proven range of measuring devices for track building and maintenance

Analogue mechanical version for gauge and cant measurement or for checking switch tongues.

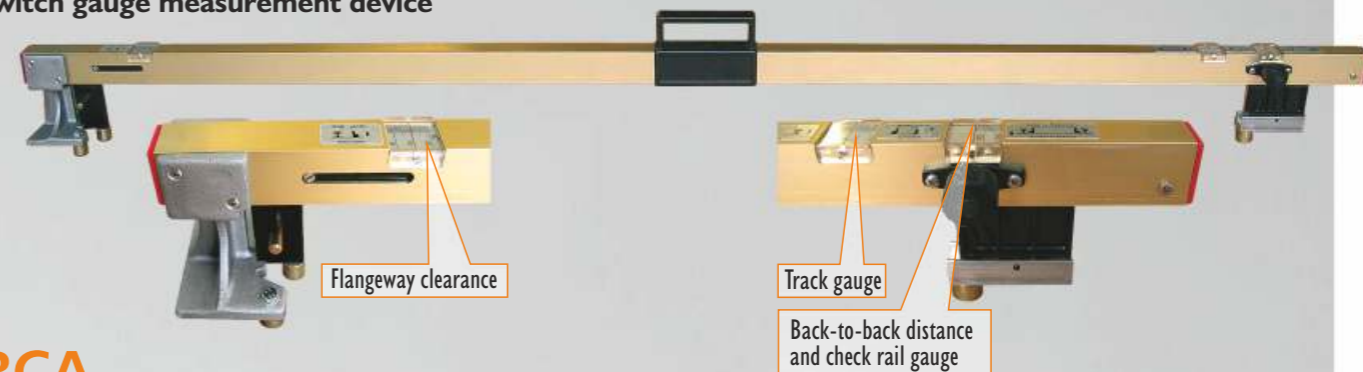
These devices are designed in modular form and can be delivered for any gauge with different options.

For every measurement task the ideal device

Type	RA	RCA	RCS	RCFF
for measurement of	Switch gauge measuring device	Switch gauge and cant measuring device	Gauge and cant measuring device	Gauge and cant measuring device
Track Gauge	●	●	●	●
Flangeway Clearance	●	●		
Check rail gauge	●	●		
Back-to-back distance	●	●		
Cant		●	●	●

➤ RA

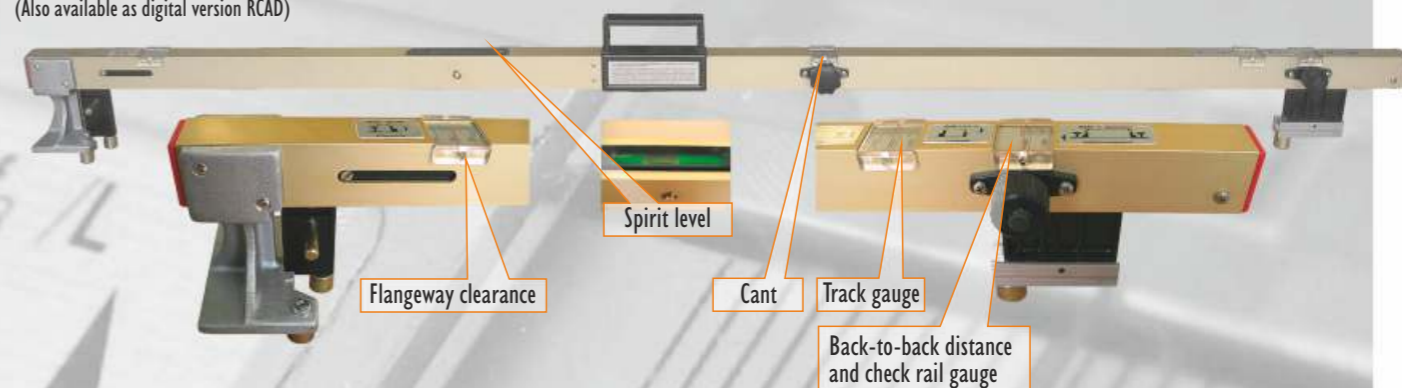
Switch gauge measurement device



➤ RCA

Switch gauge and cant measurement device

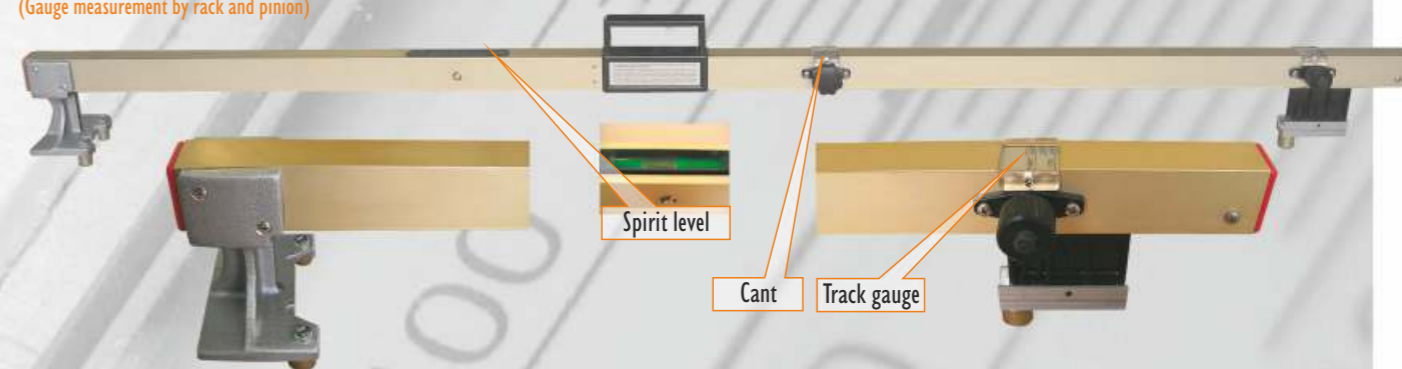
(Also available as digital version RCAD)



➤ RCS

Gauge and cant measurement device

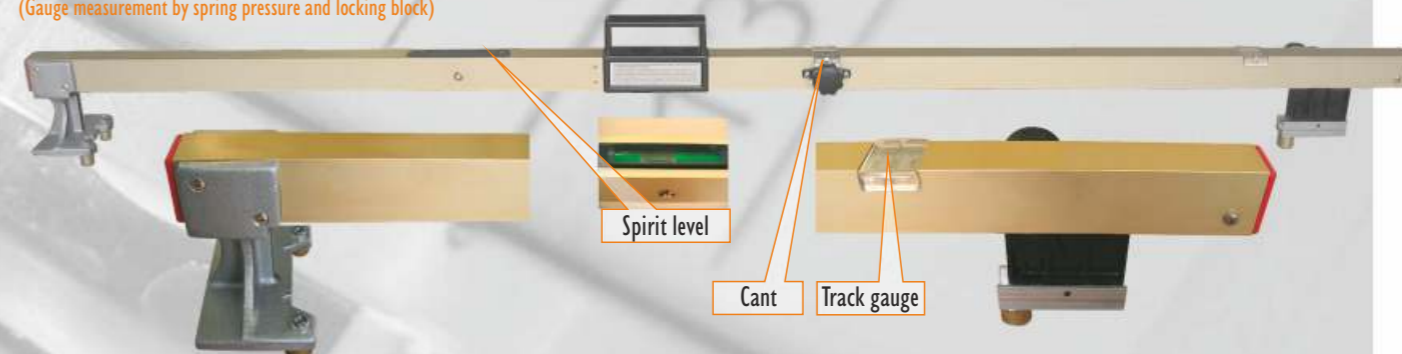
(Gauge measurement by rack and pinion)



➤ RCFF

Gauge and cant measurement device

(Gauge measurement by spring pressure and locking block)



Device options



-H-
Add-on suitable for measuring the frog nose's inclination



-T-
Device made of separable design



-S-
Add-on of rail profile templates



-P-
Test adapter for checking wear of switch blades



-RH-
Add-on for measuring check rail's height



-W-
Interchangeable measuring probes



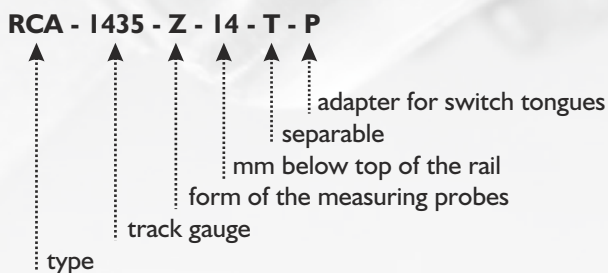
Narrow contact available either in short or long version

Other options available on request.

Measuring parameters and ranges

	Gauge 1435 mm	Gauge 1000 mm
RCA, RA		
Track gauge (mm)	1415 – 1475	980 – 1040
Flangeway clearance (mm)	30 – 82	30 – 82
Check rail gauge (mm)	1385 – 1405	950 – 970
Back-to-back distance (mm)	1345 – 1361	910 – 926
Cant (mm), for RCA only	-30 to +200	-30 to +150
RCA, RA TSI-version		
Track gauge (mm)	1415 – 1475	-
Flangeway clearance (mm)	30 – 120	-
Check rail gauge (mm)	1365 – 1405	-
Back-to-back distance (mm)	1345 – 1361	-
Cant (mm), for RCA only	-30 to +200	-
RCS, RCFF		
Track gauge (mm)	1425 – 1500	990 – 1065
Cant (mm)	-30 to +200	-30 to +150

Ordering example



All devices can be delivered from 500 mm nominal gauge upward.
The devices are insulated.

Weight : approx. 2,5 kg.