

No.	R/O	Description	Value	Unit
1	R	Maximum measurable force $F_z$	30	kN
2	R	Maximum linearity deviation for $F_z$	1	%
3	R	Maximum measurable force $F_y$	3	kN
4	R	Maximum linearity deviation for $F_y$	5	%
5	O	Maximum measurable moment $M_x$	30	kN cm
6	O	Maximum linearity deviation for $M_x$	10	%
7	O	Maximum measurable moment $M_z$	4	kN cm
8	O	Maximum linearity deviation for $M_z$	10	%
9	R	Minimum wheel diameter	200	mm
10	R	Maximum hub diameter	45	mm
11	R	Maximum wheel and hub width	65	mm
12	R	First eigenfrequency of deformation element (unloaded)	> 500	Hz
13	R	Operating conditions: outside	5–40	°C
14	R	No calibration at the roller coaster vehicle necessary		
15	R	No structural alteration of existing vehicle design required		
16	R	Low-cost transducer		