

Trolley Specification

TECHNICAL	
Track Gauge	1410-1470 mm (international standard 1435 mm, other sizes like 1520, 1000 available upon request)
Odometer Type	Photoelectric counter for measurement method
Odometer Resolution	±5.0 mm
Odometer Error	< 0.5%
Gauge 0 Position Accuracy	±0.15 mm
Gauge Indicator Error	±0.30 mm
Gauge Measurement Repeatability	±0.15 mm
Superelevation 0 Position Accuracy	±0.15 mm
Superelevation Indicator Error	±0.30 mm
Superelevation Turn-around Error	±0.30 mm
Superelevation Measurement Repeatability	±0.20 mm
Linear Lateral Deviation	best up to 3 mm
ELECTRICAL	
Power Bank Unit	Lithium-ion battery, capacity 147 Wh
Power Supply	> 12 hours
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 50°C
Humidity	80%, non-condensing
PHYSICAL	
Hardware Weight	32 kg (trolley only, excluding tablet and total station)
Packing Weight	72 kg (trolley with transportation case)
Packing Dimension	183 x 53 x 56 cm

System Components

Trolley Hardware			
		measuring wheel	x3
		sliding wheel	x3
		superelevation sensor	x1
		gauge sensor	x1
		yellow side cover	x2
		metal base frame	x1
		corner prism column	x1
		DPU (Data Processing Unit)	x1
1	trolley main body		1
2	push bar		1
3	corner prism		1
4	Y-shaped DLU cable		1
5	Y-shaped DPU cable		1
6	toughbook power supply cable		1
7	DPU short cable		1
8	converting cable		1
9	DLU(radio Data Link Unit)		1
10	DLU antenna		1
11	spiral magnet antenna		1
12	PBU(Power Bank Unit)		2
13	PBU charger		2
14	transportation case		1
Configured Software			
	fieldwork software		1
1	geometric data analysis software		1
	geometric data verification software		1
2	software dongle key		1
Fieldwork Partners			
1	PC Toughbook		1
2	PC charger		1
3	robotic total station		1

