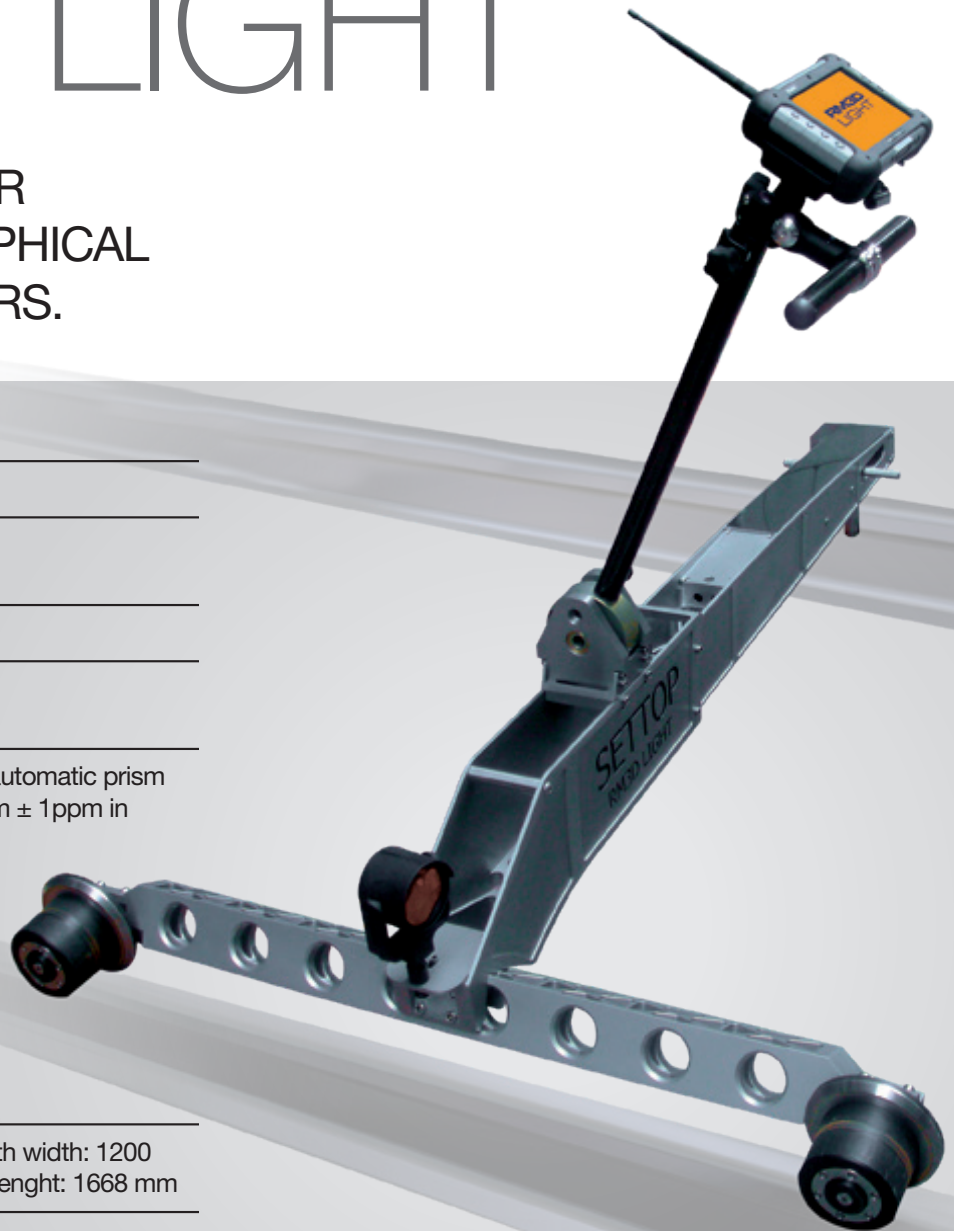


# SETTOP RM3D LIGHT

ADVANCED SYSTEM FOR  
MEASURING TOPOGRAPHICAL  
AND TRACK PARAMETERS.

## FEATURES

- Removable and transportable
- Comes with different track widths: Standard: 1000/1435 mm. Option: 1668 mm
- Electrical insulation between tracks
- Prismholder and prism for measuring distances with a precision Total Station
- Robotic Total Stations with recognition and automatic prism follow up (angular accuracy of 1" and of 1 mm  $\pm$  1ppm in distance)
- Gauge, Super elevation and Odometer sensor
- Control computer with touch screen
- Push bar
- Weight: 25 kg.
- Dimensions depending on the model: Breadth width: 1200 mm. Minimum length: 1000 mm. Maximum length: 1668 mm



**DATA COLLECTION:** This is used to carry out surveys to find out the current state of the track. Data can be collected in absolute mode (Total Station needed) or in relative mode (RM3D device only).

**STAKE OUT:** This is used for spatial positioning and assembly of the track. You need the axis file loaded, vertical alignment, super elevation and gauge.

**MONITORING:** This is used to control the laying of the track. It compares the data collected on various consecutive days, taking 0 as an initial value.

**VERIFICATION:** This is used for controlling the assembly of the track and indicates any differences between the theoretical and the actual result. In both cases there are numeric results, graphs and files which can be adapted to any format. For greater control, in absolute mode, you can use Trimble S8 latest model Total Stations.

# SETTOP RM3D LIGHT



## Product Specifications:

MEASURING DEVICE CHARACTERISTICS		CHARACTERISTICS OF TOTAL STATION	
<b>SIZE</b>		Angular accuracy	0.5"
Gauge	1000 - 1435 mm	Distance measurement	1 mm ± 1 ppm
Length	1200 mm	<b>MEASUREMENT DISTANCE</b>	
Weight	300 mm	1 prism	3000 m
<b>PROCESSOR (CPU)</b>		No prism	>150 m
Connections	Bluetooth	Minimum distance	1.5 m
Power source	2 batteries – 2400mAh	Power-assisted system	Magdrive. Direct electromagnetic control
Operating time	9.5 h	Rotation speed	115°/second
<b>LONGITUDINAL SENSOR</b>		Increases	30x
Longitude	200 mm	Operating temperature	-20° C – 50°C
Accuracy	0.075%	Dust and impermeability	According to IP55
Resolution	0.1 mm	Power source	1 rechargeable lithium-ion battery 11.1 V, 4.4 Ah
Operating temperature	-25° C – 85°C	Operating time	6h
Dust and impermeability	According to IP65	Weight (robotic instrument)	5.25 Kg
<b>TILT SENSOR</b>		<b>AUTOLOCK AND ROBOTIC RANGE</b>	
Measurement range	±14.5 (-370mm at 1435mm)	Passive prisms	500 – 700 m
Linearity error	<0.02% at Full Scale (FS)		
Resolution	0.01 mm		
Operating temperature	-40° C – 85°C		
Dust and impermeability	According to IP65		
<b>COMPUTER CHARACTERISTICS</b>			
<b>SIZE</b>			
Width	140 mm		
Length	229 mm		
Height	50 mm		
Weight	1.4 Kg		
<b>GENERAL</b>			
Memory	1 GB RAM		
Storage	32 GB Hard disc		
Screen	7"		
Communications	WIFI – Bluetooth		
Power source	2 batteries – 2600 mAh		
Operating time	8 h		
Ports	1 RS232, 2 USB 2.0		
Operating temperature	-30° C to 85°C		
Dust and impermeability	According to IP65		
Radius	2.4 GHz		