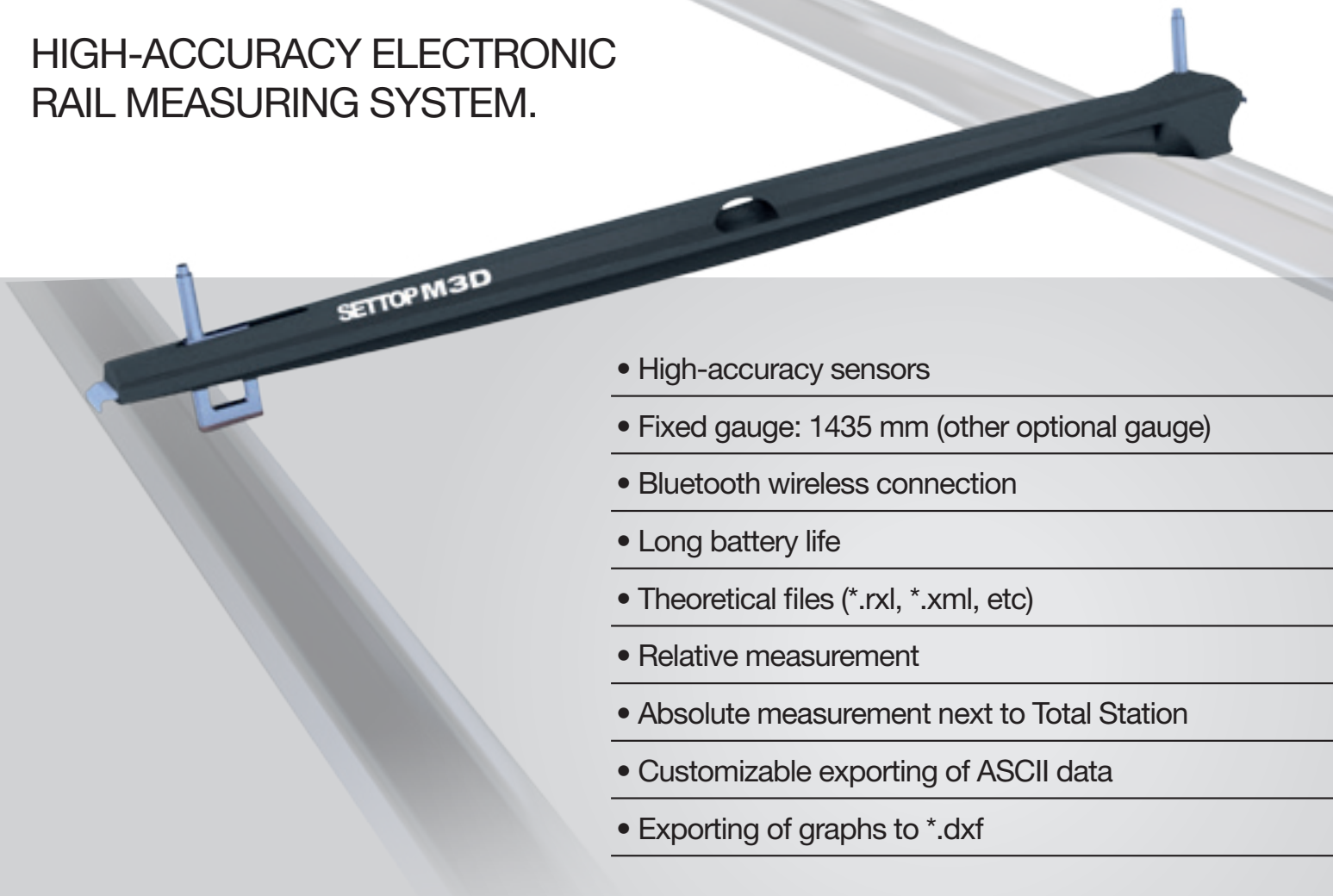


SETTOP M3D

HIGH-ACCURACY ELECTRONIC
RAIL MEASURING SYSTEM.



- High-accuracy sensors
- Fixed gauge: 1435 mm (other optional gauge)
- Bluetooth wireless connection
- Long battery life
- Theoretical files (*.rxl, *.xml, etc)
- Relative measurement
- Absolute measurement next to Total Station
- Customizable exporting of ASCII data
- Exporting of graphs to *.dxf

THE SOLUTION FOR THE RAIL EMBEDDED ASSEMBLY.

In those cases in which it is not possible to slide a measuring cart in order to proceed with the assembly, you can use the Settop M3D ruler. Take advantage of all the advantages of the cart in this 3D measuring ruler!

The Settop M3D measuring ruler includes high-accuracy digital sensors and a Bluetooth module for communicating with the field controller. Carry out

an exhaustive data collection of the rail or place it in absolute coordinates thanks to the Trimble S8 Total Station.

It is possible to load the project axis in the formats of the most common programs (*.rxl, *.xml, Inroads, Clip, Ispool, etc.) as well as to export to customizable ASCII files (*.txt) or graphs (*.dxf).

SETTOP M3D

Product Specifications:

MEASURING DEVICE CHARACTERISTICS	
SIZE	
Gauge	Fixed 1435 mm (other optional gauge)
Length	1685 mm
Height	130 mm
Weight	4 Kg
PROCESSOR (CPU)	
Connections	Bluetooth
Power source	2 batteries – 2400mAh
Operating time	8 h
LONGITUDINAL SENSOR	
Longitude	200 mm
Accuracy	0.075%
Resolution	0.1 mm
Operating temperature	-25° C – 85°C
Dust resistance and impermeability	According to IP65
TILT SENSOR	
Measurement range	±14.5 (-370mm at 1435mm)
Linearity error	<0.02% at Full Scale (FS)
Resolution	0.01 mm
Operating temperature	-40° C – 85°C
Dust resistance and impermeability	According to IP65
COMPUTER CHARACTERISTICS	
SIZE	
Width	140 mm
Length	229 mm
Height	50 mm
Weight	1.4 Kg
GENERAL	
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 resistance and impermeability	According to IP65
Radius	2.4 GHz

CHARACTERISTICS OF TOTAL STATION	
Angular accuracy	0.5"
Distance measurement	1 mm ± 1 ppm
MEASUREMENT DISTANCE	
1 prism	3000 m
No prism	>150 m
Minimum distance	1.5 m
Power-assisted system	Magdrive. Direct
Rotation speed	115°/second
Increases	30x
Operating temperature	-20° C +55°C
Dust resistance and impermeability	According to IP55
Power source	1 rechargeable lithium-ion
Operating time	6h
Weight (robotic instrument)	5.25 Kg
AUTOLOCK AND ROBOTIC RANGE	
Passive prisms	500 – 700 m

