

High Precision GNSS Antenna For MatManager™

High Precision GNSS Antenna for MatManager™ Paving Quality System.

The High Precision GNSS Antenna for MatManager™ will improve the system's accuracy of geographical positioning.

Out of the box this GNSS antenna supports SBAS for improved positioning (30-60cm* if SBAS is available in your region). If higher accuracy is required, the Antenna can be upgraded to support an L-band subscription service.

The support of L-band will increase the accuracy to ~10cm* with worldwide coverage. If sub-decimeter precision is required please inquire TF-Technologies for further options.

L-band operation requires free line of sight to satellites in stationary orbit. L-band service requires factory firmware upgrade.



High Precision GNSS Antenna



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High Precision GNSS Antenna Specifications	
Part number	S-10140 w/o subscription S-10141 w/1 year L-band subscription S-10143 w/3 year L-band subscription
Power Supply	10-30 VDC
Power consumption	350 mA nominal
Receiver Type:	Scalable dual-frequency, multi-GNSS RTK
Signals Received	GPS, GLONAS, BeiDou, Galileo
Startup time	Cold <60 sec / Hot <10 sec
Scope of supply	Antenna + Cable splitter kit for MatManager™ system (S-10128)
Dimensions (LxWxH)	15.8x15.8x7.9cm / 6.2x6.2x3.1in
Weight	1.3kg / 2.8lbs

Cable splitter kit for GNSS	
Part number	S-10128
Power Supply	12/24 Volt System (10-30 VDC)
Dimensions (Lenght)	2x1m / 2x3ft

*) Performance based on long term in-field measurements. Achieved accuracy may vary based on user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability, and level of multipath including obstructions such as large trees and buildings.

TF-Technologies reserves the right to make changes without further notice.

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High Precision GNSS Antenna Mounting Brackets

GNSS Mounting Bracket, for roof mounting	
Part number	S-10129
Dimensions (LxWxH)	50x10x9cm / 20x5x4.5in
Weight	1.3kg / 2.9lbs



GNSS Mounting Bracket, for roof mounting

GNSS Mounting Bracket, for MatScanner™	
Part number	S-10132
Dimensions (LxWxH)	50x10x13cm / 20x5x5.5in
Weight	1.3kg / 2.9lbs



GNSS Mounting Bracket, for MatScanner™

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