

Topcon 05-040402-01

HiPer AG PCB Board -Conformal Coated



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HiPer AG

Mobile RTK Base Station



For all your precision ag operations, the versatile HiPer AG functions as an ultra-mobile, cable-free base, a fixed base station (with optional external GPS or radio antennas), or a rover for surveying.

- **Innovative, one piece cable-free unit**
- **Rugged, compact, field-proven design**
- **Advanced data radio communications**
- **Dual-constellation GPS+GLONASS satellite reception**
- **Integrated Bluetooth™ wireless technology**
- **Powerful 40-channel GNSS board operates at up to 20Hz**

HiPer AG Mobile RTK Base Station

Accuracy for all your precision farming operations

Wherever you need high accuracy RTK for your precision farming operations - autosteering, autosection control, variable rate application or planting, Topcon's HiPer AG is a versatile solution and the most advanced and compact receiver available in the precision ag market. The HiPer AG hails from a legacy series of proven work-horse receivers, one of the most successful products in Topcon's 77-year history.

Fixed or mobile operations

The HiPer AG is a one-piece unit incorporating the satellite receiver, radio communications, antennas, and rechargeable battery, so there's no messy cables. The HiPer AG functions as an ultra-mobile, cable-free base, a fixed base station (with optional external GPS or radio antennas), or as a rover for surveying. HiPer AG is an excellent addition to Topcon's System 150, System 200, System 210, System 250, or System 350.

Dual Constellation GPS+GLONASS

The HiPer AG receives signals from both GPS (USA satellite system) and GLONASS (Russian satellite system). This capability provides up to 50% more satellites for higher accuracy and less down time from limited satellite access. Radio options include long-range FH915, digital, and SATEL.

As a multi-function, multi-purpose receiver, the HiPer AG can receive and process both L1 and L2 signals and provides L1/L2 C/A, P-Code, full code & carrier data, improving the accuracy of your points and positions. Other features include multi-path mitigation and co-op tracking plus under-canopy and low-signal strength reception.

The HiPerAG operates from 5 Hz up to 20 Hz, useful when being operated as a rover. For surveying, the HiPer AG provides superior functionality, signal integrity and availability needed for fast, easy data collection.

For landleveling, the HiPer AG provides GNSS corrections that enable high-accuracy Z-axis positioning. While the best Z-axis results are obtained within 2.5+ miles, placing the HiPer AG centrally in the field or project allows you to grade over 12,000 acres from one setup.



Specifications

HiPer AG	GPS + GLONASS
Tracking:	40 channels L1/L2 C/A, P-Code, full code & carrier data
	Cold Tracking < 60 seconds
	Warm Tracking < 10 seconds
	Reacquisition < 1 seconds
Correction Accuracy	Static: 3mm+0.5ppm x D hor., 5mm+0.5ppm x D vert.
	RTK: 10mm+1ppm x D hor., 15mm+1ppm x D vert.
	DGPS: 0.5m Real Time
Power	Input 6 to 28 VDC, Internal Battery Li-ion (4400mA/7.4V)
	Operating time 10 hrs.
Weight	3.85 lbs. (1.75 kg)
Dimensions	6.26" x 3.78" x 6.81", (159 x 96 x 173 mm)
Connectors	2 ea. 7-pin ODU, 2 ea. 5-pin ODU, 1 ea. BNC, 1 ea. TNC
Operating Temperature	-22° to 140° F, -30° to +60° C
Storage Temperature	-40° to 167° F, -40° to +75° C
	Humidity 95 %
	Rainproof IPX6



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