Compact, Lightweight, and Rugged Receiver

HiPer CR

Mighty precision unleashed

Get precise centimeter-level accuracy effortlessly with this compact powerhouse, ideal for various survey and construction tasks. The HiPer CR is an ultra-lightweight and compact solution that minimizes pole weight, ensuring easy mobility and field usability. Despite its small size, the HiPer CR excels in challenging canopy and jobsite environments, delivering exceptional performance.

GNSS TECHNOLOGIES (SIGNAL TRACKING)	
GPS	L1 C/A, L1C, L1P, L2P, L2C
GLONASS	L1 C/A, L1P, L2C/A, L2P, L2C
Galileo	E1
BeiDou	B1, B2
SBAS	WAAS/EGNOS/MSAS/GAGAN
QZSS	L1 C/A, L1-SAIF, L1C, L2C
Universal Tracking Channels™	Topcon's patented GNSS signal tracking technology
GNSS Antenna	Integrated helical antenna
POSITIONING PERFORMANCE	
Precision Static	H: 3 mm + 0.1 ppm | V: 3.5 mm + 0.4 ppm
Static/Fast Static*	H: 3 mm + 0.4 ppm | V: 5 mm + 0.6 ppm
RTK	H: 10 mm + 0.8 ppm | V: 15 mm + 1.0 ppm
COMMUNICATIONS	
Longlink™ Bluetooth®	Up to 300 m
Bluetooth®	Yes
Ports	USB 2.0
DATA FORMAT AND MEMORY	
Real-time Output formats	TPS, RTCM, CMR/CMR+, BINEX, NMEA
Internal Memory	8 GB
Update Rate	Up to 10Hz
POWER	
External Power Supply	5 VDC
Battery	Li-ion 5,800 mAh, 3.6 V
Operating time	Up to 10 hours
HARDWARE	
Dimensions (W x D x H)	4.7 x 4.7 x 19.7 cm (1.85 x 1.85 x 7.76 in.)
Weight	0.44 kg (0.97 lb.)
Ingress Protection	Dust and water IP67
Vibration	MIL-STD 810G
Drop	Survive 2 m pole drop on concrete surface
Operating Temperature	-40ºC to 60ºC (-40ºF to 140ºF) with external power
Humidity	100%

* Under nominal observing conditions and strict processing methods, including use of dual frequency GPS, precise ephemerides, calm ionospheric conditions, approved antenna calibration, unobstructed visibility above 10 degrees and an observation duration of at least 3 hours (dependent on baseline length).

Specifications subject to change without notice.
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