

GNSS/RTK SYSTEM **G10**

- › The new generation full function GNSS Receiver
- › GNSS/RTK measurement technology revolution
- › The G10 overturns the traditional and enlightens the future!



POLE CAN BE TILTED UP TO 30°

- › Measure hidden points
- › Convenient to measure building corners



WI-FI WIRELESS CONNECTION

- › Create hotspot for smartphone, tablet and laptop.
- › Web UI for configuration changes, datalink, download static data and more



MULTI-SATELLITE CONSTELLATIONS

- › L1, L2, L5, GPS, GLONASS, BEIDOU GALILEO and SBAS
- › Trimble BD970 MotherBoard



FEATURES

G10 brings you GNSS/RTK measurement technology revolution with its compact magnesium alloy body. It's equipped with the new level of RTK intelligent control platform. The G10 integrates electronic bubble, tilt correction and WebUI control.

RECEIVER SPECIFICATIONS

Channels	220 GNSS
GPS tracking	L1C/A, L2C, L2E, L5
GLONASS tracking	L1C/A, L1P, L2C/A, L2P, L3
GALILEO tracking	E1, E5A, E5B (reserved)
BeiDou tracking	B1, B2
SBAS	WAAS, EGNOS, GAGNAN, MSAS
Positioning rate	Up to 50 Hz

RECEIVER ACCURACY

Static horizontal	2,5 mm ± 0.1 ppm (rms)
Static vertical	3.5 mm ± 0.4 ppm (rms)
Kinematic horizontal	8 mm ± 1 ppm (rms)
Kinematic vertical	15 mm ± 1 ppm (rms)
Tilt sensor	0,1° - 3,5 mm at 2 m pole height

WIRELESS COMMUNICATION

GSM / GPRS module	HSDPA +, GPRS, EDGE
UHF Radio module	2000 Mw transceiver, 410 - 470 MHz
Bluetooth	2.1 + EDR and 4.0 dual model
Wi-Fi	802,11 b/g/n access and client mode
Differential link	UHF radio, external input, Bluetooth, Wi-Fi
Data format	CMR, CMR+, RTCM 2,3, RTCM3.x

INTERFACE AND STORAGE

Front panel	Power/Function button, OLED screen
LCD display	1.2 inch HD OLED screen, sunlight readable
Voice	iVoice intelligent technology
Data recording	MicroSD card, 4 GB internal memory
GSM/TCP/IP	Removable SIM card
Warranty	18 months



FRONT PANEL

Power / Function button, OLED screen and 6 indicator lights makes operation easy and convenient.



BATTERY COMPARTMENT COVER

1. SIM card Slot: Support 3G SIM card to connect to CORS
2. TF card Slot: 1 micro SD card up to 32 GB.



INNOVATIVE HIGH CAPACITY BATTERY

Built-in LED battery status indicator



SXPAD 800H DATA COLLECTOR

- › Ruggedized for extreme conditions
- › Bluetooth, Wi-Fi, GSM/GPRS Modem
- › Alphanumeric keypad
- › Camera 5 MP with autofocus

PHYSICAL SPECIFICATIONS

Construction	Magnesium alloy body
Dimensions	Height 141 mm, Diam. 140 mm
Weight	1.45 kg with battery
Operating temperature	- 30 °C to 60°C
Storage temperature	- 40 °C to 85°C
Protection class	IP67 dust and waterproof
Humidity	100% condensing
Shock	Withstands 2 m drop onto hard surface

POWER SUPPLY

Internal battery	Removable 3.4 Ah Li-ion battery
External power	9 V to 22 V
Operating time	10 hours in static / 8 hours rover mode