



RTK Base station

The highest level of GPS positioning accuracy is obtained by the use of Real Time Kinematics (RTK). Navicom Dynamics RTK Base Station is configured so that it automatically surveys itself into its location and automatically generates accurate RTK correction data.

The RTK data is transmitted over a UHF radio circuit and can be received and used by any rover that has a compatible radio system and the relevant GPS receiver that is configured to receive external RTK corrections.

SPECIFICATIONS

Enclosure dimensions:	420mm H x 250mm W x 110mm D
Weight:	9Kg
Power requirements:	85-265VAC 47 – 63 Hz single phase fused internally at 2A
UHF operating range:	up to ~15km, depending on terrain
Transmission protocol:	RTCMV3, CMR
Output power:	Adjustable up to 5W
Environmental:	
Operating Temperature:	-32°C to +74°C (-25°F to +165°F)
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	95% non-condensing

Note: Data sheets for GPS and UHF Antennae can be provided on request.

COMPONENTS

- Main enclosure housing GPS receiver, UHF radio and power supply
- GPS antenna
- UHF antenna
- RF cables (10m of RG213 for each antenna is supplied by default)
- Security key required to open enclosure
- On-off switch is key operated
- Unit intended for indoor mounting.
- Atex/NEMA certified enclosures also available if required. Please ask for details

Base station should be installed where there is suitable and reliable power source and the GPS and UHF antennae will require unobstructed external locations



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