

RTS1600B

DRONE GPR SURVEYS



The definitive standard for deep air-borne GPR surveys

The RTS-1600B is the latest upgrade to our original plugin radar system for the Gekko series of antennas.

The entire acquisition channel has been redesigned to accommodate longer ranges, more antennas, and most importantly better data quality. The now familiar experience for autonomous deep ground penetrating radar surveys has got a boost in speed and productivity.

A much requested feature is that the new RTS can be used in distance mode for more "down to Earth" surveys.

Communications with the control host has been further enhanced and the USB interface now has full support for all software functions. The available embedded module for in house applications has been upgraded as well to offer a simpler, yet faster experience.

Like its predecessor the new version supports internal and external power supply for more flexibility and operation time, but the on board batteries have been replaced with much more powerful ones allowing for those extra minutes of flight we were missing.



RTS1600B

The RTS1600B is the fastest, most reliable, and easiest to operate drone mounted Ground Penetrating Radar control unit available on the market today.

With its extended range, wide antenna choice, and long operation time it will cover a wide range of applications and solve many of the survey challenges a professional on the field encounters.

The RTS1600B has a real time sampling engine under the hood with a fast transmitter PRF. These two features combined provide outstanding high stacking values for a significantly improved SNR of the system.

Like all other fully integrated airborne systems manufactured by Geoscanners AB, the new RTS-1600B has an internal data storage that permits surveys in autonomous mode without the need for the computer to be connected to the unit at all times. This eliminates the possibility of data loses.

The present model now supports distance mode and faster GPS / RTK units.

Parameter	Value
Supported Center Frequency	10 to 250MHz
Transmitter Output	380V
Trace Range	256 - 8192ns
Sampling Rate	2.0GSa/s
Samples / Trace	512 - 2048
Data Storage	On Board SD Card, Host Control PC
Data Type	Compressed 32-bit Data
Data Transmission	WiFi, USB or Rover (Autonomous)
Communications	WiFi, USB
Operation Mode	Time, Distance
Dimensions WxLxH	230x133x82mm
Weight	1kg



GEOSCANNERS
advanced survey systems

www.geoscanners.com
info@geoscanners.com
+46 921 530 20

Geoscanners AB
VÄSTRA STORGATAN 2
S-29338, OLOFSTRÖM
Sweden