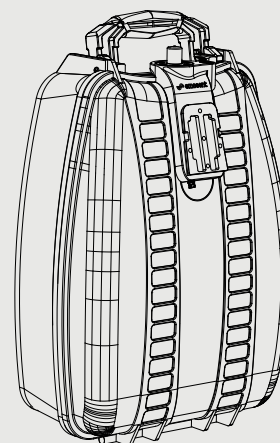


Backpack RTK

Specifications sheet



Materials of construction

- Tough resin backpack and Hovermap mount
- Stainless steel 5/8-11 GNSS mounting thread
- Aluminium extension pole
- PE Foam with hardwearing PC top

What's in the box

- Hardcase backpack with RTK GNSS mount
- 100mm GNSS extension pole
- RTK mount to GNSS cable
- Emesent Fisher cable
- For Leica and Trimble receivers: GNSS adaptor

Size and weight

Backpack kit:

- 500L x 370W x 230H mm [19.5 x 14.5 x 9in]
- 4.0kg [8.8 lbs]

Packaged shipped (box):

- 550L x 380W x 270H mm [21.5 x 15 x 10.5 in]
- 4.90 kg [10.8 lbs]

Hovermap compatibility

- Hovermap ST
- Hovermap ST-X

Accessory compatibility

- 360 colourisation and image extraction
- Long range radio

GNSS compatibility

- Trimble R10/R12/R12i/R980
- Emlid Reach RS2/RS2+/RS3
- Leica GS18/GS18T/GS18I

Environmental

- Designed to IP65

Backpack RTK

Specifications sheet

Global georeferencing accuracy*

Horizontal Accuracy (XY) up to:

- 68% of points within 14mm
- 95% of points within 27mm
- 14mm RMSE

Vertical Accuracy (Z) up to:

- 68% of points within 6mm
 - 95% of points within 10mm
 - 5mm RMSE
-

Power

- V mount battery (14-24v DC in 75W max)
 - 98Wh battery - approx. 1.5 hours scanning time
 - CoreSWX Nano Slim 98 (supplied with Hovermap ST/ST-X).
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* Verified by independent surveyor for the Backpack RTK Kit with an Emlid Reach RS3 GNSS receiver against quality control points established on a 1km stretch of road using a Leica TS13 Total Station and Leica LS15 Digital Level.