Why choose the RT-Base S?

Set up and forget
/ The RT-Base S can be set up anywhere in minutes, then left for hours while engineers are able to perform tests elsewhere. The high-performance internal battery powers the RT-Base S for 24 hours – even in temperatures as low as -10 °C. The IP65 rated case protects the RT-Base S from wet weather conditions.

Fixed position
/ The RT-Base S is a flexible solution that can average its position, in an unknown location, over a selectable period of time. Alternatively, it can be programmed with precise coordinates when placed at a surveyed location. The RT-Base S can store up to 10 locations which enables quick and easy set up in regular locations.

Avoids surprises
/ The RT-Base S transmits corrections and logs binary data to its internal memory which can be converted into RINEX files for post-processing at any time. This flexibility means data can simply be corrected and there is no need to repeat tests.

Applications
/ Ideal for use in automotive testing applications where real-time RTK integer accuracy is required
/ Works seamlessly with OxTS devices to provide up to 1 cm RTK integer accuracy
/ Broadcast corrections can be used with other manufacturers' equipment thanks to number of correction formats

Specifications

<table>
<thead>
<tr>
<th>Power rating</th>
<th>12 V dc, 2.5 A maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains power</td>
<td>110–240 V ac, 50–60 Hz, 3 A maximum</td>
</tr>
<tr>
<td>Battery</td>
<td>12.8 V, 10 Ah, LiFePO4</td>
</tr>
<tr>
<td>Charge time</td>
<td>&gt; 6 hours</td>
</tr>
<tr>
<td>Operating time</td>
<td>30 hours typical (&gt;24 hours at -10 °C)</td>
</tr>
<tr>
<td>Battery capacity</td>
<td>474 mm × 415 mm × 149 mm (external) 11.9 kg (inc. all accessories)</td>
</tr>
<tr>
<td>Environment</td>
<td>IP65 when lid is secured shut</td>
</tr>
<tr>
<td>Charge temperature</td>
<td>-20° C to 40° C</td>
</tr>
<tr>
<td>Output format</td>
<td>RTCA, RTCA2, RTCM, RTCMv3, CMR, CMR+</td>
</tr>
<tr>
<td>Output interface</td>
<td>RS232 serial, Ethernet</td>
</tr>
<tr>
<td>Operating time</td>
<td>30 hours typical (&gt;24 hours at -10 °C)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10 °C to 50 °C</td>
</tr>
</tbody>
</table>

Applications

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RT-Base S

Self-contained IP65 rated base station for 1 cm accuracy

The RT-Base S is a self-contained, weatherproof and portable GNSS base station. It is designed to be quick and easy to set up, and transmits corrections to local receivers via radio modem or (optionally) via Wi-Fi.

Key Features
/ IP65 rated protection
/ GPS and GLONASS compatible
/ Up to 1 cm position accuracy
/ Internal battery provides a minimum of 24 hours of continuous operation
/ Store 10 positions in memory for quick retrieval during set-up
/ Create RINEX files from internally logged binary data
/ Broadcast corrections via Wi-Fi (optional)
/ Large number of DGNSS correction formats to choose from
/ Multipath rejecting GNSS antenna
/ Integral radio modem
/ Easy disconnection of battery pack in preparation for air travel
/ Quick and easy set up (~ 5 mins)
/ Adjustable averaging time
/ Ethernet output

For further information please contact OxTS or your nearest channel partner.