Automotive accessories
Everything you need for quick, accurate and reliable testing

OXTS
Automotive

RT-Strut

Install your OxTS Inertial Navigation System (INS) with speed and accuracy with this purpose-built mounting system.

Reduce time-to-test

/ Fitting is simple. The RT-Strut fits vertically between the vehicle's floor and roof, or horizontally in the boot. A built-in spring provides the force required to keep the RT-Strut in place.

Precise installation

/ The RT-Strut provides a rigid mount in every axis, so you know you're measuring the movement of the vehicle – not movement of the device.

Adjustable height

/ You can adjust the height (0.81–1.50 m) of the RT-Strut to fit the particular dimensions of your vehicle.

/ An extended version (1.30–2.40 m) is available for larger vehicles.

Dual Antenna Roof Mount (DARM)

Achieve a quick and accurate dual antenna installation using this rigid, pre-set mount with built-in ground planes.

Flexible configuration

/ The DARM can be used in one or two metre configurations.

/ Adjustable suction cups provide a flexible solution to fit varying vehicle roof shapes and sizes.

Versatile system

/ The Dual Antenna Roof Mount can be used with a selection of puck and pinwheel antennas.

/ It can be used on most roof types including glass, aluminium, composite and nonplanar.

RT-UPS

An uninterruptible power supply to ensure that your OxTS Inertial Navigation System is not affected by any brownouts and blackouts

Additional peace of mind

/ If the input supply is interrupted, or drops too low, the RT-UPS continues to output 12 V for one minute.

/ The RT-UPS will protect your device from unexpected power fluctuations, or reverse polarity and will allow a wider range of input voltages (9–48 V dc).

Over-voltage protection

/ The RT-UPS protects your data by providing a continuous supply of power in an emergency and prevents transient power surges from reaching the more expensive equipment that is connected to it.

RT-Base S

Achieve 1 cm position accuracy with this self-contained, portable, IP65-rated base station; ideal when real-time RTK integer accuracy is required.

Set up in under 5 minutes

/ The RT-Base S automatically computes an average position as soon as it's switched on.

/ Once complete, it begins transmitting DGNSS corrections so that you can achieve RTK integer accuracy.

Internal logging as a back-up

/ As well as transmitting corrections, the RT-Base-S also logs them internally for later retrieval, should you need them.

/ This failsafe means that corrections can be applied in post-processing instead of having to rerun any of your tests.

RT-ANA

The RT-ANA unit is an interface converter that accepts CAN messages from OxTS devices and converts them to analogue voltages.

Get analogue inputs

/ The RT-ANA enables you to interface your OxTS device with equipment that requires analogue input, rather than CAN, Ethernet or RS232.

/ The RT-ANA can output up to 16 separate analogue values (± 10 V dc) via the BNC connectors and 25-way D-type connector. The analogue voltages are controlled by 16-bit DACs with precision op-amps to ensure the highest levels of accuracy.

Configure in minutes

/ Simply choose which INS measurement each output should reference using a drop-down list, specify the output voltage range and save the configuration.

/ All 16 channels can be configured from scratch in minutes.

GPS-Base

The GPS-Base is a GNSS base station that provides RTK corrections to one or more differential enabled GNSS receivers via radio modem. Ideal for long-term installations.

GNSS corrections in real-time

/ The GPS-Base calculates and then transmits differential corrections to local GNSS receivers. Differential corrections are used by the GNSS receiver in INS+GNSS products to achieve centimetre-level accuracy.

Correction types

/ By default the GPS-Base uses the RTCA standard for transmitting its differential corrections. It can also output RTCA2 or RTCMV3.