Better things in smaller packages
The HiPer HR is smaller and lighter, but don’t let it’s small size fool you. It’s not only packed with the most advanced GNSS technology, it is also built to withstand the harshest field environments. The HiPer HR is built with a rugged magnesium-alloy housing, not weak plastic, so it can take the punishment of the job site.

Using Topcon’s patented Fence Antenna™ design and advanced GNSS chipset with Universal Tracking Channel technology, the receiver automatically tracks each and every satellite signal above – now and into the future.

All signals, all satellites, all constellations — All in a compact, rugged design, with an integrated IMU and eCompass. Only available on the Topcon HiPer HR.

TILT™- Topcon Integrated Leveling Technology
The HiPer HR incorporates a revolutionary 9-axis Inertial Measuring Unit (IMU) and an ultra-compact 3-axis eCompass. This advanced technology compensates for mis-leveled field measurements out of plumb by as much as 15°.

Awkward shots on steep slopes or hard to reach spots are now a breeze with TILT™.
Rugged, waterproof IP67 environmental design

Durable, easy access connectors

452 Universal Tracking Channels

Integrated cellular, LongLink™, and Wi-Fi communications

Bright, easy-to-read LED MINTER display

3-axis ultra-compact eCompass

Next generation Vanguard Technology™

Rugged magnesium alloy housing

Next generation Fence Antenna™

UHF or FH 915

Revolutionary 9-axis internal IMU

452 Universal Tracking Channels

Removable, hot-swappable battery

Durable, easy access connectors

Removable, hot-swappable battery
Form and Function
The most advanced GNSS technology available, yet compact enough to fit in the palm of your hand.

Highly configurable
Designed to grow with you, unique electronic option files empower you to activate available features instantly – increasing functionality as project demands expand.

Superior performance
Standard with integrated cellular and LongLink™ wireless communication modules, choose either long-distance UHF or convenient Spread Spectrum radio as well.

Future proof
Topcon’s full-wave Fence Antenna™ tracks all GNSS signals currently available and is designed to track the constellations and signals of tomorrow.

* Under nominal observing conditions and strict processing methods, including use of dual frequency GPS, precise ephemerides, calm ionospheric conditions, approved antenna calibration, unobstructed visibility above 10 degrees and an observation duration of at least 3 hours (dependent on baseline length).
** Subject to successful TILT calibration & operating environment free of magnetic disturbances.
*** Varies with terrain & operating conditions.