

# Leica Geosystems GNSS Comparison Chart



	Leica GS08plus	Leica GS14	Leica GS16	Leica GS18 T	Leica GS10	Leica GS25
Signal tracking	Dual-frequency	Dual-frequency	Multi-frequency	Multi-frequency	Multi-frequency	Multi-frequency
GPS / GLONASS / Galileo / BeiDou / SBAS	✓/✓/✗/✗/✓	✓/✓/✓/✓/✓	✓/✓/✓/✓/✓	✓/✓/✓/✓/✓	✓/✓/✓/✓/✓	✓/✓/✓/✓/✓
SmartLink fill / SmartLink	✗/✗	✗/✗	✓/✓	✓/✓	✓/✓	✓/✓
Tilt compensation	✗	✗	✗	✓	✗	✗
Single baseline RTK	Hz 10 mm + 1 ppm / V 20 mm + 1 ppm	Hz 8 mm + 1 ppm / V 15 mm + 1 ppm	Hz 8 mm + 1 ppm / V 15 mm + 1 ppm	Hz 8 mm + 1 ppm / V 15 mm + 1 ppm	Hz 8 mm + 1 ppm / V 15 mm + 1 ppm	Hz 8 mm + 1 ppm / V 15 mm + 1 ppm
Network RTK	Hz 10 mm + 0.5 ppm / V 20 mm + 0.5 ppm	Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm	Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm	Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm	Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm	Hz 8 mm + 0.5 ppm / V 15 mm + 0.5 ppm
Static (phase) with long observations	Hz 3 mm + 0.5 ppm / V 6 mm + 0.5 ppm	Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm	Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm	Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm	Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm	Hz 3 mm + 0.1 ppm / V 3.5 mm + 0.4 ppm
Static and rapid static (phase)	Hz 5 mm + 0.5 ppm / V 10 mm + 0.5 ppm	Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm	Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm	Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm	Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm	Hz 3 mm + 0.5 ppm / V 5 mm + 0.5 ppm
Reliability	99,95%	99,99%	99,99%	99,99%	99,99%	99,99%
5 Hz / 20 Hz positioning	✓/✗	✓/✓	✓/✓	✓/✓	✓/✓	✓/✓
Raw data / RINEX data logging / NMEA out	✓/✓/✗	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓	✓/✓/✓
RTK reference station functionality	✗	✓	✓	✓	✓	✓
Cellular / UHF Radio (receive & transmit) modem	Controller internal	3G / ✓	3G / ✓	4G / ✓	3G / ✓	3G / ✓
Storage	Controller internal	MicroSD card	MicroSD card	SD card	SD card	SD card
User interface (buttons / LEDs / display)	1 / 3 / ✗	2 / 7 / ✗	2 / 7 / ✗	2 / 8 / ✗	2 / 7 / ✗	7 / 7 / ✓
Power, Bluetooth®, USB, RS232	✓	✓	✓	✓	✓	✓
Event, PPS	✗	✗	✗	✗	✗	✓
Operating temperature -40°C to 65°C	✓	✓	✓	✓	✓	✓
IP68 proof against water, sand and dust	✓	✓	✓	✓	✓	✓
Weight (without battery)	0.60 kg	0.93 kg	0.93 kg	1.20 kg	1.20 kg	1.84 kg

✓ = Available ✗ = Not available



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