

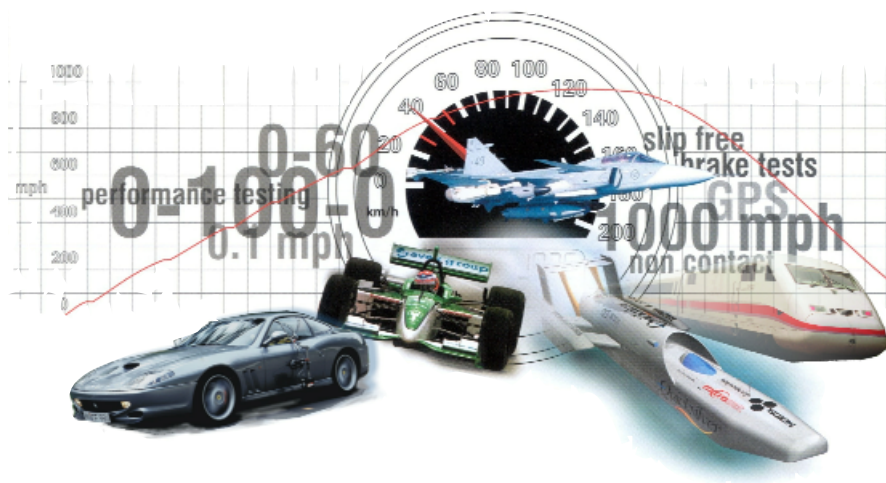


MicroSAT

Non-Contact
GPS Sensor

Vehicle Testing for land, water and air

- All terrain, water and air
- Non contact and slip free
- Absolute GPS information
- Automatic performance and brake testing
- Continuous speed and distance up to 1000 mph
- Online real time graphics via PC
- Onboard data recording via flash memory
- Various outputs CAN, TTL etc



A New Standard in Dynamic Vehicle Testing

Developed in collaboration with Oxford Technology Solutions, the MicroSAT represents a new standard in dynamic vehicle testing. MicroSAT's design enables a single person to conduct performance tests quickly and easily. Installation is simple: a magnetic GPS antenna is mounted on the vehicle and connected to a laptop computer via the MicroSAT interface box. Data can also be stored to optional internal memory for later evaluation. Once MicroSAT is switched on, it automatically performs the tests you want. The system can switch automatically between acceleration and brake test screens for data viewing. All the data is stored automatically as detailed spreadsheet files. Through an acceleration run, it analyzes speed gain, and stores this as a separate test. During braking periods it logs a braking test. This means that the data can be viewed as a series of individual tests, or as an overall plot of the entire journey. The data gained can be quickly scanned to ensure useful figures have been achieved before moving on to the next test. Further analysis and printouts can be done back at base.



Typical Technical Specifications

Speed Range:	0 - 1,854 kph
Velocity Accuracy:	0.1 kph, full range
Distance Accuracy:	0.5 %
Position Accuracy:	1m CEP (circular error probability)
Update Rate:	20 Hz
Operating Temperature:	-10 to 60°C
Battery Life:	2 hours
Charge Time:	2 hours
Charge Power Source:	12 - 20 V DC
Power consumption:	6 W typical
Power (running+charging):	8 W typical
Power Input:	9 - 20 V DC
Power (not charging)	2 W
Onboard memory	up to 7 hours

The R20 can be also connected via PC or run in standalone mode for up to 2 hours; in addition to this the unit has live real-time outputs.

The R20 has 3 outputs available: (user defined)
Digital TTL signal for distance - 100 to 400 pulses/metre.
Analogue voltage, speed proportional.
CAN outputs for all measured values.

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In a continuous effort to improve our products, CORRSYS-DATRON reserves the right to change specifications without prior notice.

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