LAPCOM S series

High cost performance system for
Next generation realizing high-functionality
and large-capacity storage to SD card

Compact model with Data logger and Display in one unit

S All-in-one Series



■Compact one box unit

One box system makes installation and wiring easier. This model is most suitable for kart and mini-bike. With optional 2 types mount panels, it is easy to mount the unit on a vehicle.

■Optional external 12V power supply is available

The unit is equipped with the status lamp that can work with key switch or indicators.

■Multiple speed data acquisition

Like racing kart, in a vehicle where the engine is connected directly to the drive shaft, a speed sensor isn't needed. The wheel speed is calculated from the RPM.



Sensor terminals are in the rear. Splashproof rubber caps are included.



T-type mount panel; 4-step position adjustment is possible per 6mm.

S All 10	High cost performance model with selected functions
S All 100	Large-capacity logging model with high-functionality

High performance system for various vehicles

S Separate Series



■Compact design for multiple type of cars

The compact designed S Lite is capable of performing with various vehicles from racing kart to formula car.

■Supports steering, throttle, and pressure measurement

* The sensors are optional. Pressure is available with S Separate model.

■Various functional extensions

The highest model; S separate 100 Plus is capable of 5 channels analog input for extensions.

■Taking signals from the ECU

Taking speed, RPM and other 0-5V signals from the ECU is possible by customizing the unit. * Depending on car types, signals may not be taken in some cases.



High performance compact design of S Lite unit. Supporting drive under wet weather with splashproof rubbers.

S Lite 100	High performance compact model for various type of vehicles
S Separate 100	Sophisticated model with displacement and pressure measurement
S Separate 100+	The S series highest model supporting functional extensions

S series Main Features

·Large data capacity to SD card
Maximum 32G, 999 laps large data storage is possible to a SD card.
* Logging function is not available with S All 10.

·Various data on the clear multi-display
RPM bar graph is displayed with all models. Time gap, gear position and other various data are available as standard. * Backlight is optional.



Time gap with best lap or targetlap display



Gear position display

·Supports multiple lap timing sensors
Magnetic sensor, sensitive magnetic sensor, or optical sensor is selectable.

·Detailed split time recording
Maximum 6 splits time data and out & in lap data can be recorded.

·Shift indicator and various alarm setting
5-step shift points and an over-REV setting are possible.

·Recording running distance for max 5 engines
Hour, trip and odometer can be recorded for maximum 5 engines.

·2 channels for temperature measurement
The measurement up to 999 degrees C is possible.

·Averaging number of speed & RPM sampling is programmable

·Lateral and Longitudinal G for four-wheel car
With an optional G sensor, Lateral and Longitudinal G and line mapping are acquired for four-wheel cars.

·Supports Data sampling rate 20Hz
* Available with S All 100 Plus, S Lite 100 Plus, and S Separate 100 Plus.

·One touch quick-release battery pack is capable of charging on the desk
With 60 min quick charging, max 10 hours continuous running time is possible.
* A tabletop battery charger is optional.



Tabletop battery charger



Battery pack; available for S All and S Lite

OPTIONS

- **Speed sensor and magnets**
- **T-type mount panel**
- **F-type mount panel**
- **G sensor**
- **Liquid sensor**
- **Hose joint 16mm or 19mm**
- **External indicator & battery module, and code set**
- **Display backlight**
- **Rotary potentiometer endless * 1**
- **Linear potentiometer * 1**
- **Pressure sensor * 2**

* 1 Available for S Lite and S Separate. * 2 Available for S Separate

Standard Parts

- **Control unit**
- **Display**
  * A display is in one box with the control unit for All-in-one models.
- **Lap timing sensor; Magnetic or optical sensor**
- **Pulse lead for RPM**
- **AC adapter**
- **External battery module**
  * Available for only S Separate model as standard. The connection cable is optional.
- **User's guide and additional info**

*Please note that specifications and other information may change without notice.
*This device is exclusive to motor racing. Do not use this on public roads.

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