LAPCOM S series SPECIFICATION

Type		All-in-one series			Separate series			
		S ALL 10	S ALL 100	S ALL100 Plus	S Lite 100	S Lite 100 Plus	S Sepa 100	S Sepa 100 Plus
Code		05500/1/2	05505/6/7	05510/1/2	05520/1/2	05525/6/7	05530/1/2	05535/6/7
Logged data that can be monitored on a display during and after races. (◎ --- confirmation of min/max values possible) * Logging function is not available with S All 10 that can only display the data on a display during and after races.	Lap memory	Max 999 Lap	Max 999 Lap	Max 999 Lap	Max 999 Lap	Max 999 Lap	Max 999 Lap	Max 999 Lap
	Lap timing (Optical/Magnetic)	Selectable * 1	Selectable * 1	Selectable * 1	Selectable * 1	Selectable * 1	Selectable * 1	Selectable * 1
	Split times	Max 6 splits	Max 6 splits	Max 6 splits	Max 6 splits	Max 6 splits	Max 6 splits	Max 6 splits
	◎ RMP	○	○	○	○	○	○	○
	RMP bar graph with full scale switching function * 2	○	○	○	○	○	○	○
	◎ Wheel speed * 3	▲	▲	▲	▲	▲	▲	▲
	◎ Lateral and Longitudinal G value	▲	▲	▲	▲	▲	▲	▲
	◎ Temperature, 0 - 1000℃	▲2ch	▲2ch	▲2ch * 4	▲2ch	▲2ch * 4	▲2ch	▲2ch * 4
	Displacement No.1 – Steering angle or other	N/A	N/A	N/A	▲	▲	▲	▲
	Displacement No.2 – Throttle position or other	N/A	N/A	N/A	▲	▲	▲	▲
	Gear position	○	○	○	○	○	○	○
	Pressure × 2ch	N/A	N/A	N/A	N/A	N/A	▲ * 5	▲ * 5
	Analog input	N/A	N/A	N/A	N/A	N/A	N/A	5ch
Data that can be monitored on a display during races.	Battery pack voltage	○	○	○	○	○	○	○
	External 12V battery voltage * 6	▲	▲	▲	▲	▲	○	○
Data that can be monitored on a display after races.	Time	○	○	○	○	○	○	○
	Engine running time, max 5 engines recorded	○	○	○	○	○	○	○
	Trip meter	○	○	○	○	○	○	○
	Odometer	○	○	○	○	○	○	○
Other functions	Display backlight	△	△	△	△	△	△	△
	Calendar	○	○	○	○	○	○	○
	Mapping * 8	N/A	▲	▲	▲	▲	▲	▲
	Shift lamp timing setting	○	○	○	○	○	○	○
	Red alarm timing setting	○	○	○	○	○	○	○
	Alarm for temperature increases ×2ch	○	○	○	○	○	○	○
	Alarm for pressure drops × 2ch	N/A	N/A	N/A	N/A	N/A	○	○
	Logging auto on/ off setting * 7	○	○	○	○	○	○	○
	Data sampling rate	N/A	10Hz	20Hz	10Hz	20Hz	10Hz	20Hz
	Logging time / per 1G memory * 7	45,000LAP/G	440 hours/G	220 hours/G	440 hours /G	220hours/G	440 hours /G	220 hours /G
	Supported memory card capacity	Max 32G	Max 32G	Max 32G	Max 32G	Max 32G	Max 32G	Max 32G
	Telemetry	▲	▲	▲	▲	▲	▲	▲
Battery pack	Type	Ni-MH 3.6V 850mA						
	Maximum continuous running time	Max 10 hours	Max 10 hours	Max 10 hours	Max 10 hours	Max 10 hours	Max 10 hours	Max 10 hours
	Quick charging time	Approx. 60 min	Approx. 60 min	Approx. 60 min	Approx. 60 min	Approx. 60 min	Approx. 60 min	Approx. 60 min
AC adapter		AC100-240V 50/60Hz						
External DC 12V power supply	Consumption current (when Backlight is ON)	50mA (100mA)						
	Possible to operate with key switch ON/OFF	○	○	○	○	○	○	○
Interface		Serial	Serial	Serial	Serial	Serial	Serial	Serial
Display	Size (excluding projection) W x D x H	--	--	--	130 × 26.8 × 76	130 × 26.8 × 76	130 × 26.8 × 76	130 × 26.8 × 76
	Weight	--	--	--	150g	150g	150g	150g
Control Unit	Size (excluding projection) W x D x H	130 × 55 × 76	130 × 55 × 76	130 × 55 × 76	125 × 48 × 90	125 × 48 × 90	130 × 123 × 32.5	130 × 123 × 32.5
	Weight	245g	245g	245g	220g	220g	430g	450g
Required system for analyzing the data		Windows XP, Windows Vista, or Windows7 is recommended as OS.						

* 1 If an optical sensor is selected, the optional TX-100 transmitter is required.
* 2 The full scale RPM bar graph can be switched from MAX11000 rpm to MAX21000 rpm according to the setting of the red line alarm.
* 3 In a vehicle such as a racing kart where the engine is connected directly to the drive shaft without a clutch, the wheel speed is calculated from the RPM.
* 4 By installing an optional temperature correction module, higher-accuracy measurement of temperature is possible. A certificate of analysis is attached.
* 5 To use Nagano Keiki product; pressure transmitter KM15, drive voltage 12V, an optional connection cable and external indicator & battery module, and cord set is required.
* 6 An optional external indicator & battery module, and cord set is required.
* 7 Logging function is not available with S All 10.
* 8 Mapping function is not available with S All 10 that records only the maximum G values.

▲ Possible to run by installing optional sensors or devices.
△ Possible to run by installing optional modules.