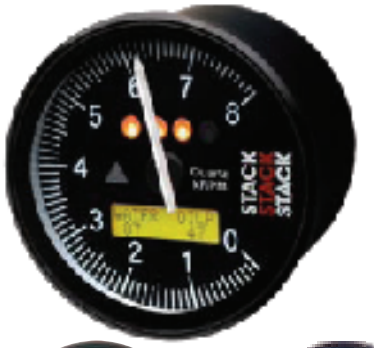
ST700 Dash Display



The ST700 Dash Display systems integrate tachometer, sequential shift light and voltmeter in a single 80mm instrument. Standard options include speedometer, lap timer and two pressure or temperature gauges. In addition the ST700 can be fitted with a range of performance options, including an acceleration timer, infrared lap timing system, split time memory and straight and corner speed readout. Standard features include:

- Adjustable day & night backlighting levels to suit ambient light conditions.
- Fully sealed against water and dust to IP67.
- Peak value 'Tell-Tale' memory is provided on all monitored parameters.
- Configurable for all vehicle types and negative earth ignition systems.
- Supplied with mounting bracket, switch kit, separate professional wiring loom and manual.
- 1 year Competition Warranty.

0-8000 RPM
Standard (Black or White)

0-4-10500 RPM
Standard (Black or White)

0-6-15000 RPM
Standard (Black or White)

0-10750 RPM
Optional (Black or White)

0-3-13000 RPM
Optional (Black or White)

Optional dial faces (cost option)

INTELLIGENT ALARM SYSTEM

Intelligent alarms are provided on all of the monitored parameters. Alarm levels are adjustable to suit the individual vehicle requirements.

NEUTRAL GEAR INDICATOR

The dash can be simply connected to the neutral position switch of any sequential gear box - requires ST918051 harness.

SEQUENTIAL SHIFT LIGHT

Ultra bright LED's that can be set to operate in 4 different shift light patterns - Sequential, Sequential Blink, Bar and Simultaneous modes. Each light can be set independently; brightness adjustable to suit light conditions.

CONFIGURABLE INPUTS

(ST747)

(ST769)

The ST700 features two configurable channels that can be set up for a pressure (oil, fuel, boost or general purpose) or a temperature (oil, water, air, differential, axle or general purpose). Choose between standard and solid state sensor options.

ST700 Optional Performance Features

(Standard on some models)

LAP TIMING SYSTEM

The lap timing receiver simply plugs into the standard dash wiring harness. Each time the vehicle passes the track side beacon the lap time "pops up" on the graphic display to an accuracy of 1/100th of a second.

(ST546) **OPTION**

LAP & SPLIT TIME MEMORY

This feature records 75 Lap and Split Times (if Split Timing is activated) to help the driver evaluate their consistency.

(ST7090) **OPTION**

PERFORMANCE UPGRADE

Consists of the Split Time system and the Straight and Corner Speed readout options; providing real-time information that allows the driver to evaluate their own performance. Requires ST670 Speed Sensor and ST546 Lap Timing system.

(ST7093) **OPTION**

ACCELERATION TIMER

This feature will record Standing 1/4 mile/400m time, and acceleration/deceleration time between any chosen speeds. Requires ST670 Speed Sensor.

(ST7095) **OPTION**

SPEEDOMETER, ODOMETER & TRIPMETER

This option provides a street legal speedometer display readout with trip and odometer. The user can select MPH or km/h and miles or kilometres. Requires ST670 Speed Sensor.

(ST7094) **OPTION**

SPEED SENSOR

Simply plug this sensor into the wiring loom to display speed on the LCD readout.

(ST670) **OPTION**

ST700 System Specifications

Model	Speed (ST670)	RPM	Batt.	2x Config. Channels*	Neutral Indicator** (ST918051)	Lap Time (ST546)	Lap Memory (ST7090)	Perf. Upgrade (ST7093)	Accel. Timer (ST7095)	Odometer (ST7094)
ST700	**OPTION**	✓	✓	✓	**OPTION**	**OPTION**	**OPTION**	**OPTION**	**OPTION**	**OPTION**
ST700M	✓	✓	✓	✓	**OPTION**	✓	✓	✓	**OPTION**	**OPTION**
ST700SR	✓	✓	✓	✓	**OPTION**	**OPTION**	**OPTION**	**OPTION**	✓	✓

ST700 sensor options - note these are not included with the dash system and must be ordered separately, with ST918049 Sensor Harness.

Solid-State Sensors	10 bar/150 psi Pressure Sensor	M10	(ST747-M10)		1/8"NPTF	(ST747-1/8"NPTF)
	-20 to 150^{O} C Temperature Sensor	M6 x 1	(ST769)			
	0 to 3.5 bar/50 psi Boost Sensor				1/8"NPTF	(ST740)
Standard Sensors	10 bar/150 psi Pressure Sensor	M10	(ST744K)		1/8"NPTF	(ST745K)
	150^{O} C Fluid Temperature Sensor	M10	(ST762K)		1/8"NPTF	(ST764K)
	-20 to 50^{O} C Air Temp Sensor	M10	(ST765K)		-	-

*Analog channels require optional Analog Sensor Harness (ST918049) **Neutral Indicator harness requires Analog Sensor Harness (ST918049)