

Sensors for Data Logging Systems

Order Number	Description	Racer
Sensors for ST89XX Multi-Function Data Logging Systems		
Temperature Sensors		
ST663	-100C to +200C K-Type Thermocouple Amplifier with DSP Interface	
ST664	200-1200C 'K' Type Thermocouple Interface with DSP Interface	
ST464	200-1200C 'K' Type Thermocouple Interface with Low Freq DSP Interface (for use on Pulse Inputs)	
NEW!! ST657	0C to +200C K-Type Thermocouple Interface with 0-5V output	
NEW!! ST658	0C to +1100C K-Type Thermocouple Interface with 0-5V output	
NEW!! ST659	4 Channel 0C to +1100C K-Type Thermocouple Interface with 0-5V output	
ST760*	150 °C Fluid Temp. Sensor (1/8 BSPT)	
ST761*	150 °C Fluid Temp. Sensor (M14)	
ST762*	150 °C Fluid Temp. Sensor (M10)	
ST764*	300 °F Fluid Temp. Sensor (1/8 NPTF)	
ST990	Air Temp Sensor	
ST991	-20 to 150 deg C temperature sensor (M6x1)	
Pressure Sensors		
ST452-109	0-5 Bar Absolute Pressure Sensor with Low Freq DSP Interface (0.5% FS Total Error Band over -20C to +80C) Dash-3 Pressure Fitting (e.g. Boost)	
ST453	0-3.5 Bar Absolute Pressure Sensor with Low Freq DSP Interface (1.5% FS Total Error Band over -20C to +80C) 1/8NPT Pressure Fitting (e.g. Boost)	
ST740	0 to 3.5 bar/ 50 psi boost sensor (1/8"NPTF) (replacement only)	
ST741*	0-2 bar Fluid Pres. Sensor (M10)	
ST742*	0-30 psi Fluid Pressure Sensor(1/8 NPTF)	
ST744*	0-10 bar Fluid Pres. Sensor (M10)	
ST745*	0-150 psi Fluid Pres. Sensor (1/8 NPTF)	
ST746*	0-150 psi Fluid Pres. Sensor (1/8 BSPT)	
ST747-M10	10 bar/ 150 psi pressure sensor (M10)	
ST747-1/8NPTF	10 bar/ 150 psi pressure sensor (1/8 NPTF)	
ST747-1/8BSP	10 bar/ 150 psi pressure sensor (1/8 BSPT)	
ST749	Brake pressure sensor (1/8 NPTF)	
Pulse Sensors		
ST492	Pulse Amplifier (e.g. Gearbox Sensor Amplifier)	
ST669	Magnetic Speed Sensor	
ST670	Proximity Speed Sensor	
Displacement Sensors		
ST667	Linear Potentiometer with DSP Interface 150mm/6" (e.g. Suspension)	
ST672	Linear Potentiometer with DSP Interface 50mm/2" (e.g. Suspension)	
ST673	Linear Potentiometer with DSP Interface 100mm/4" (e.g. Suspension)	
ST674	Linear Potentiometer with DSP Interface 200mm/8" (e.g. Suspension)	
ST970	Rotary Potentiometer 120Deg (e.g. Throttle angle)	
ST972	Linear Potentiometer 50mm/2" (e.g. Suspension)	
ST970/483	Throttle Sensor (for spindle w/flat) with low frequency DSP Interface	
ST973	Linear Potentiometer 100mm/4" (e.g. Suspension)	
ST977	Linear Potentiometer 150mm/6" (e.g. Suspension)	
ST974	Linear Potentiometer 200mm/8" (e.g. Suspension)	
ST976	300mm/12" String Potentiometer (0-5V output)	
ST976/983	300mm/12" String Potentiometer with DSP Interface	
ST978	Rotary Potentiometer 360Deg (e.g. Steering)	
ST979	Rotary Potentiometer Sensor 120Deg (e.g. pedal angle)	
ST979/483	Pedal Angle Sensor with low frequency DSP Interface	
Force/Acceleration Sensors		
ST791	+/- 5g Accelerometer with 5Hz 5-pole Butterworth Low-pass Filter	
ST791/483	+/- 5g Accelerometer with with 5Hz 5-pole Butterworth Low pass Filter & Low Freq DSP Interface	

*Note these sensors require an ST918037 Spade Terminal to MSS Adaptor Harness (0.4m)

Sensors for Data Logging Systems (Continued)

Order Number	Description	Racer
Sensors for ST89XX Multi-Function Data Logging Systems (continued)		
Voltage Sensors		
ST982	+/-1.0V Differential Voltage Interface with DSP Interface	
ST983	+/-5.0V Differential Voltage Interface with DSP Interface	
ST984	+/-20.0V Differential Voltage Interface with DSP Interface	
ST985	+/-5mV output Strain gauge amplifier with DSP Interface, 300 Ohm bridge	
ST986	+/-10mV output Strain gauge amplifier with DSP Interface, 300 Ohm bridge	
ST987	+/-20mV output Strain gauge amplifier with DSP Interface, 300 Ohm bridge	
ST988	+/-50mV output Strain gauge amplifier with DSP Interface, 300 Ohm bridge	
Miscellaneous Sensors		
ST483	'Low Freq DSP Interface to enable some 0-5Volt sensors to be connected into a digital input	
ST697	HT Ignition Pickup	
ST766	K' Type Thermocouple Probe	
ST767	Rubbing Thermocouple Probe	
ST769	-20 to 150 deg C temperature sensor (M6x1)	
NEW!! ST994	Wide Band Lambda Sensor & Interface - 1 channel	
NEW!! ST996	Wide Band Lambda Sensor & Interface - 2 channel	
NEW!! ST997	Wide Band Lambda Sensor & Interface - 8 channel	
ST782	0-200C Infra-red Pyrometer ('K' Type Thermocouple output)	
ST995	5Hz GPS Receiver with NMEA Interface	