

KA Sensors Ltd

Sensing - Measurement - Control Solutions for Motor Sports

- **Store upto 40 sensor calibrations**
- **Rugged construction**
- **Battery powered**
- **Software supplied**

The *Smart Sensor Tester*, allows simple trackside testing of most sensors found on race vehicles. A built-in power supply provides excitation and then read the signal back on the LCD display, numerical and graphical data is shown.

Test:

Pressure, Temperature, Acceleration, Torque,
Linear & Rotary Potentiometers,
Magnetic & Hall Effect Speed Sensors,
Infra Red Temperature Sensors,
Strain Gauge Amplifiers,
Laser Distance
Gear – Shift position

No need for separate multi-meter, power supply and Oscilloscope, this tester does it all.....

Smart Sensor Tester



Sensor supply: 5V or 12V
Analogue Input: 0-5V
Input Impedance: 10k Ω
Digital Input: 0 – 2.5kHz
Input resolution: 16bit A-D
Input/Output connection: ASL006 connector (mating part can be supplied upon request)

Output: -5 to +5V 16bit For testing amplifiers

Power: Internal rechargeable battery (approx 10hour usage before re-charge)

Sensor Database: 40 Sensor definitions can be programmed into the unit at one time
15x can have 10point calibration table
3x can have gear shift table

Display: Dot Matrix LCD 64x128. Update rate 10Hz

Programming: PC based software is used to create sensor libraries
Each vehicle can have its own library which is downloaded to the tester as a unique file

Sensor file: Contains unique information such as:
Name - Serial No – Output – 2 point calibration - Multi point calibration –
Multi point with calibration window – Plot type,Unipolar/ bipolar