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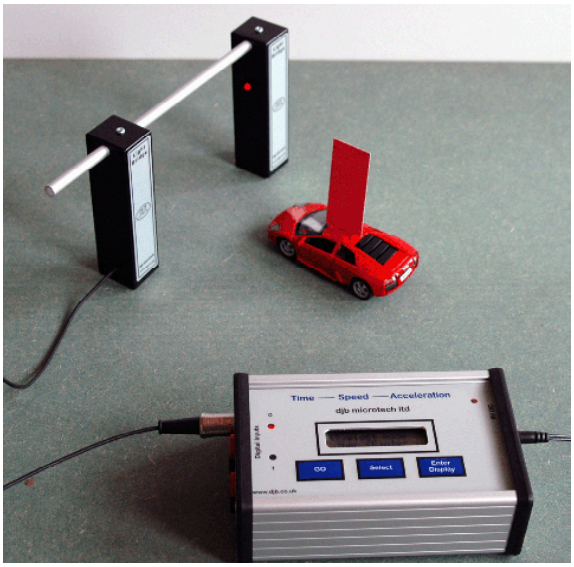
Technical Notes
Light Bridge



- Connect the DIN plug to either DIN socket at the rear of the TSA/ALBA unit. Make sure you look at both the plug and socket to line up the pins before trying to connect.
- Switch on the TSA/ALBA unit.
- The source is infrared and the receiver has a daylight filter so that working near windows in the lab will not cause problems.
- When the Light Bridge is connected to TSA/ALBA the led on the input channel will be on. If the IR beam is cut then the LED goes out. Always check this before starting an experiment.
- The light bridge is free standing or it can be held in a clamp stand.
  The unit will sit upside down on the bench - this can be useful for measuring the period of a pendulum.
- If studying the conservation of momentum the simplest approach is to use an air track and have two Light Bridges with a TSA/ALBA connected to each. Do a 'dummy run' and then set each TSA/ALBA to measure the appropriate number of velocities.

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