



GS6 Over Height Sensors

Preventing Costly Overhead Strikes with Active Protection

The GS6 Over Height Sensor protects critical assets by integrating with Instaboom or SOSEC Barriers on construction and infrastructure projects to enhance project safety. The system actively monitors approaches to vulnerable structures and will automatically close the barrier when the sensor detects an over-height vehicle or heavy machinery i.e. mobile cranes, raised tippers or digger boom arms.



Prevent over height strikes

Avoid H&S Incidents

Highly Portable



GS6 Kit includes Sensor & Sun Shield, 40m cable on drum, Extendable Red Pole & Galv Steel Base Plate

The GS6 provides essential protection for:

- Bridges, underpasses and tunnel entrances
- Overhead power, communication lines and railway electrification
- Temporary structures, scaffolding and overhead site installations
- Gantries, signage and toll infrastructure
- Loading bays and low clearance access points
- Historical or sensitive overhead structures
- Construction site overhead equipment

Compatible Barrier Arms:

Instaboom Grande Mobile Arm



SOSEC 200 Barrier



Barriers can be used with the over height sensor or for site access to manage traffic within the site. Select the right model based on project duration, power availability and connectivity (see over).

* Barriers Sold Separately

Setup is Simple:

- Set up the barrier in front, but away from the Asset
- Set up the sensor further up the work lane, in advance of the barrier
- Any machinery that is TOO TALL triggers the sensor and barriers come down

Specifications:

- Max Laser Range: 6m (lane width)
- Max Pole Height: 7.5m

Want to know more?

To discuss how GS6 Over Height Sensor & Barriers can address your specific project challenges, contact our team today to on 0800 785 744 or sales@rtl.co.nz.

[Click for Case Study](#)





Barrier Options & Setup

SOSEC 200 Barrier



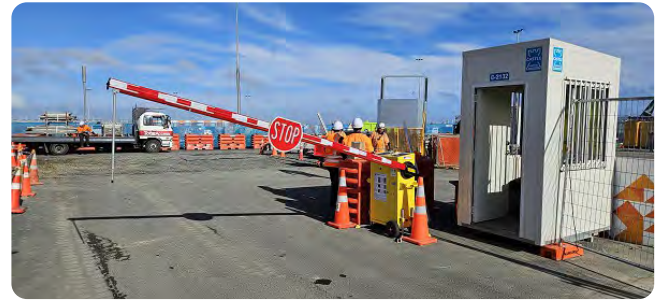
Fully solar dependent with advanced connectivity

The SOSEC 200 is a fully solar-powered mobile barrier designed for high-traffic sites that require reliable, off-grid control of vehicle access. Offering keyless entry control, remote capabilities, and rapid deployment without mains power, it provides reliable site protection built for harsh construction environments.

Code: ET MBIS200

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Instaboom Grande Mobile Arm



Highly Portable with modular arm and mains power backup

The Grande Arm provides site access control for medium to long term project sites, motorways, railway and construction sites & traffic management applications. The barrier arm is controlled via a remote, has a modular arm for varying road entrance widths and highly portable.

Code: ET MBI60

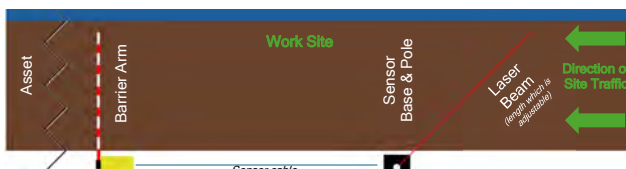
[Click Here to View Online](#)

Sensor Setup & Information

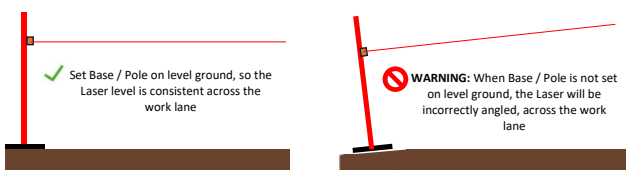
GS6 is designed to shut your barrier when it identifies any vehicle entering your work site that's TOO TALL and could cause an accident above. Position barrier at least 9m from protected asset. Over height sensor should be placed further up the work lane towards the traffic flow.

Distance from the barrier should be considered such as to allow time for barrier to close before works vehicle reaches it. This is dependent on the site speed limit. At 15km/h, please allow a minimum distance of 31m. It is recommended to use the over height sensor, in combination with a site speed limit not to exceed 10-15km per hour and other passive warning treatments including safety signs.

Typical Setup:



Level Ground:



Summary of Recommendations:

- Set distance between sensor and barrier to allow time for barrier to close if triggered
- Equipment to be used in conjunction with standard bunting and cones
- Have site speed limit in force - 10km to 15km per hour.
- Sensor must be placed on level ground
- Angle Sensor at 45 degrees to traffic flow
- Carry out daily test and checks
- It's recommended that the barrier safety beam remains off when using with an over height