

SHOCK TRAVEL POSITION SENSOR **INSTALLATION**

Measuring, installing, wiring and caring for your Online Motorsports shock travel (linear position) sensor.

1 MEASURING YOUR SENSOR

1. Lift the car up and securely position on jack stands.
2. Locate or install the mounting points to mount the sensor. Various types and sizes are available from us.
3. Always run the sensor parallel to, and as close as possible to, the shock.
4. Let the suspension fully extend to its longest length. Record this measurement.
5. Lower the car and rest it on the ground. Now measure the suspension at full compression.
6. Use these two measurements to calculate the right sensor for your application.

Important: make sure the sensor is never fully extended or fully compressed. **Warranty does not cover damage caused by this.**

2 INSTALLING YOUR SENSOR

1. Mount the sensor with the body and cable to the top.
2. Mount the small rod end to the bottom mounting location.
3. Cycle the suspension to check for alignment and any binding.
4. Always use a small amount of Loctite so the mounting bolts can't come loose. The sensors do not need to be tightened up too hard.

We recommend installing travel limiters to control suspension droop and protect the sensor from full extension.

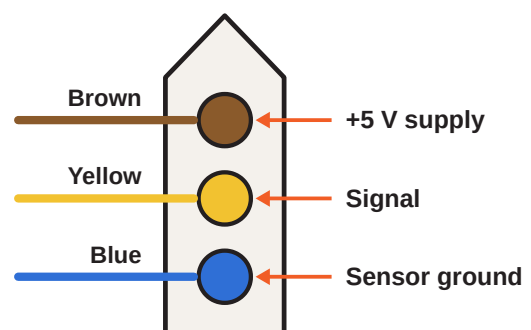
3 WIRING YOUR SENSOR

- Wire the sensor following the guidelines set out by the manufacturer of your ECU or datalogger.
- Always use the 5 V sensor power, sensor ground and signal wires from the ECU or datalogger.
- We recommend our Deutsch DTM 3-pin connector or a Racepak/Molex type connector for easy removal of the sensor when servicing the vehicle.

WIRE COLOURS

WIRE	FUNCTION
 Brown	+5 V DC supply
 Blue	Clean sensor ground
 Yellow	0–5 V DC signal
 Black	Chassis ground — not required

WIRING TO RACEPAK Racepak connector pinout



4 CARE FOR YOUR SENSOR

- Always clean the sensor after each meeting.
- Check for abnormal wear and tear after each meeting.
- Remove the sensor when welding or washing the vehicle.

5 WARRANTY INFO

Online Motorsports products are designed and sold for off-road competition use only. Not to be used on public roads.

Installation is only to be done by trained and licensed fabricators and auto electricians.

All products are warranted to be free from defects in material and workmanship for 12 months from the date of original purchase. Warranty claims must be made by the original owner with proof of purchase attached and emailed to info@onlinemotorsports.com.au.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.