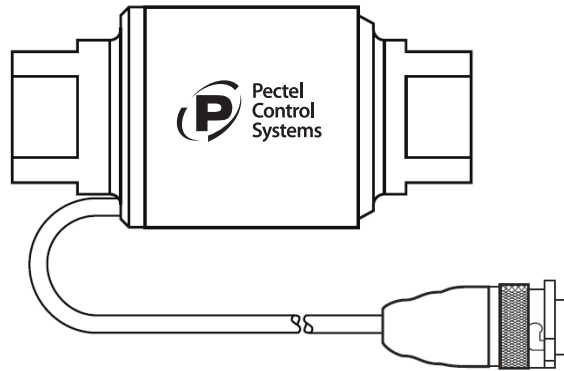




Gearcut Load Cell



Introduction

The Gearcut load cell detects the force applied to a gear shift lever during a gear change and gives an output signal. This output signal is fed to an ECU which is programmed to reduce the engine torque when it receives the output signal. This allows for smoother gear changes.

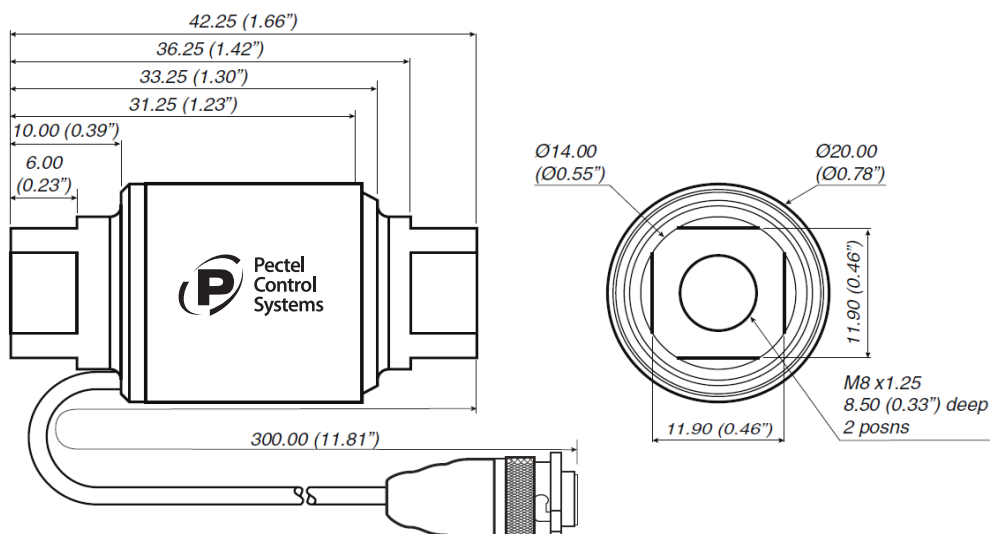
The Gearcut load cell is supplied fitted with a 300mm (12" approximately) loom terminated with an AutoSport ASL606-05PN-HE connector

Installation

When installing the Gearcut load cell unit:

- protect the unit from vibration;
- make sure that the unit will not be affected by heat soak;
- make sure that air can flow over the unit to keep it below 60°C;
- try not to place the unit near sources of electrical interference i.e. ignition coils, plug leads, ECUs, alternators and telemetry antennas.

Dimensions

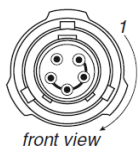


Dimensions in millimetres and (inches)

Connector details

Sensor connector	Mating connector
ASL606-05PN-HE	ASL106-05SN-HE

Pin	Function
1	+12V
2	Signal +ve
3	No connection
4	Ground (linked to pin 5)
5	Ground (linked to pin 4)



ASL606-05PN-HE

Specifications

Description	Value
Supply voltage	+9.0V to +15.0V
Output	+0.2V to +4.7V (with a 2.5V offset)
Temperature range	0°C to +60°C
Weight	27 grams
Environmental	IP65

Ordering information

Product	Part number
Gear Cut Load Cell	01E-050652

