AERODYNAMIC TEST EQUIPMENT

Aerotech
Aerodynamic Test Equipment

PUSH ROD LOADCELL

FEATURES:

- Tension and Compression
- Track tested and fully proven design
- High accuracy and repeatability
- Low deflection
- Designed to suit front or rear suspension loads
- Compact device
- Temperature compensated

The Aerotech Push Rod Loadcell is specifically designed to measure the tensile and compressive forces exerted on the push rod of a full scale racing car. It is a compact, one piece strain gauged device with a threaded interface on its live side which screws directly into the push rod. The earth side fixing is by way of a client specified spherical bearing and critical elements of the loadcell are enclosed and protected by a stainless steel cover.

Technical Summary:

Direction	Load Range
Compression	up to +40 000N
Tension	up to -40 000N

combined maximum error (1 δ) is expected to be better than +/- 0.1% fsd and typically +/- 0.05% fsd.

Electrical Output:	Unamplified 0.5mV/V (approximately)
Excitation Voltage:	10V nominal
Overload Capacity:	up to 100% fsd
Approximate size:	Ø22.0mm x 110.0mm Long
Weight:	200-300g (without spherical bearing fitted)

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