



PRODUCTS IN USE

5 LCM Series In-Line or LCB series Fatigue Rated Rod End Tension and Compression Load Cells are each paired with a USB220 High Resolution Data Logging System.

Load Cell
5x LCM Series

USB Series
One per load cell

USB Hub

Computer

APPLICATION SUMMARY

In a high performance vehicle, the suspension system does more than hold the car up, it adapts to aerodynamic forces on the vehicle, varying road conditions, and driver inputs. In addition, complex multipoint suspension systems in use in NASCAR® and Formula 1® require the use of modeling and simulation to ensure compliance under load. Significant modeling and analysis is undertaken to account for these variables. However, the final step to maximize performance is live testing to validate the simulation model. To accomplish this, load cells are placed in line with each suspension arm, providing detailed information of the load running through each arm, accurate steering load measurements, and indirect front tire grip enabling adjustments of the suspension system to optimize performance and handling.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

Sensor Solution Source

Load · Torque · Pressure · Multi Axis · Calibration · Instruments · Software

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U.S. Manufacturer