

## Careers

### Instrumentation Technician - Vehicle Test

**Job Category** Engineering & Information Technology

**Subcategory** Inside Sales

**Location** Fremont, California

**Req. ID** 38627

**Job Type** Full-time

APPLY



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This position will work as a member of Tesla's Vehicle Engineering Test Group to support full vehicle and sub-system tests performed in-house and at external test labs. This role is responsible for performing and overseeing all instrumentation and data acquisition. Additionally, this technician will support vehicle preparation and tear-down and test execution, as dictated by test priorities. The successful candidate for this position will have a broad background in automotive testing.

## Primary Job Responsibilities:

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- Maintain sensor library, sensor repair, coordinate calibration activities of all instrumentation
- Oversee and/or perform installation of sensors and data acquisition equipment
- Installation of data acquisition equipment to include sensors (i.e. accelerometers, gyros, thermocouples, strain gauges, load cells, pressure transducers, torque sensors, displacement sensors, BUS monitors, GPS, etc.)
- Create daily work plans to achieve test plan goals on schedule
- Design and create custom brackets and fixtures
- Support testing activities and/or vehicle preparation and tear-down as required by work flow priority
- Select appropriate sensing devices for use with data collection systems
- Perform onsite support and testing while monitoring and validating data

## Essential Skills:

- Experience with data acquisition systems and instrumenting vehicles with accelerometers, pressure sensors, thermocouples, strain gauges, etc.; experience with DTS, SOMAT, NI, and DEWESOFT data acquisition tools preferred
- Ability to operate and maintain a wide variety of hand and power tools, shop tools, and shop equipment, for the servicing of automobiles
- Ability to operate and use diagnostic scan tools, scopes, meters, and other test equipment
- Experience with MS office tools (Outlook/Excel/Word/PowerPoint/Project), and Adobe products
- Ability to follow oral and written instructions
- Establish and maintain cooperative working relationships with those contacted in the course of work, including the public
- Work in a team-based environment to achieve common goals
- Effectively handle multiple priorities, organize workload, and meet deadlines
- Maintain top level professional integrity and appearance as a test technician

APPLY



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Tesla is accelerating the world's transition to sustainable energy. We design, manufacture, sell and service the world's best solar technology, energy storage systems, and electric vehicles, providing customers the opportunity to generate, store and consume energy entirely sustainably.

Tesla is committed to hiring and developing top talent from around the world for any given discipline. Based in California, Tesla's workforce spans across four continents. We work to build an inclusive environment in which all people, regardless of gender, race, religion, or background, can come to do their best work.

Our world-class teams operate with a non-conventional philosophy of inter-disciplinary collaboration. Each member of the team is expected to challenge and to be challenged, to create, and to innovate. We're tackling the world's most difficult and important problems—and we wouldn't succeed without our shared passion for making the world a better place.

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