

TEST & MEASUREMENT SOLUTIONS

Enhance the measurement and monitoring of vehicle & component level performance, evaluation plus many different applications.



WEIGHING SCALES - WIRELESS

BRAKE TESTING
LOGGER - MFDD



PEDAL FORCE
SENSOR



DATA LOGGER



LOAD CELLS

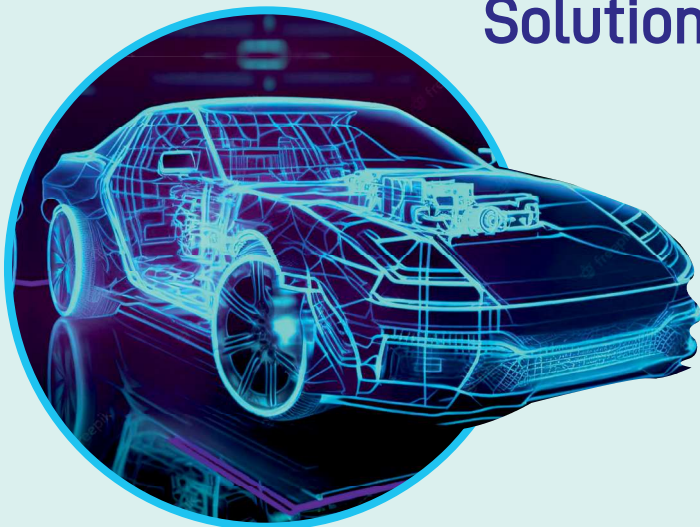


TORQUE SENSOR



TRAVEL SENSOR

Electric Vehicle Measurement Solutions



Measurement probes like high Voltage and Current transducers, Data Acquisition system up to ± 1000 V

High voltage Data Acquisition System

- Input - 4 channel, 8 channel up to ± 1000 V
- Online calculation of power data for DC and AC measurements such as work, Power, Frequency, RMS values, Power Factor
- DBC file and documentation



AARON INSTRUMENTS
EMPOWERED BY INNOVATION

AARON INSTRUMENTS

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Electric Vehicle Measurement Solutions

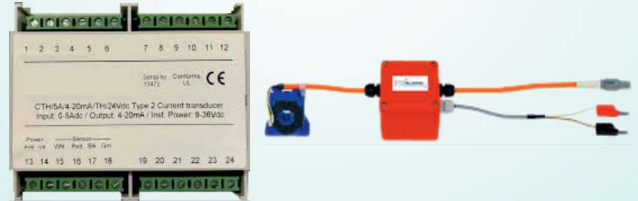
Current Probes

- **Hall-effect current transducer; Can measure AC or DC and both**
- Input current (A): 30-50Adc to 30-40000Adc
- Output signal: Analog



Voltage Probes

- **Hall-effect sensor; Can measure AC or DC voltage**
- Input Voltage (V): 50mV to 1000Vrms
- Output signal: Analog



CAN BASED SENSORS

Seamless Integration into CAN-Capable Data Acquisition Systems

CAN IMU Sensor



- **Selectable full-scale range of $\pm 2/4/8/16g$.**
- Vehicle measurements, acceleration & tilt measurements.

Pressure sensor on CAN bus



- **Gauge(G): 0-100 Bar | other on request**
- Output signal CANBUS Baud Rate: 250 Kbps

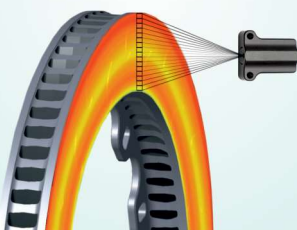
Displacement on CAN Bus



- **Displacement on CAN bus**
- Used for suspension tuning, chassis stiffness analysis, tire deflection, ride height measurements etc

Infrared Brake Temperature Sensor

- **To measure the highly transient surface temperature of a brake rotor at multiple points**
- Temperature Measurement Range, To -20 to 1100°C



R&D Tire Temperature & Pressure Monitoring System (TPMS)

- **Temperature measurement of tires, asphalt, belts, and cabin interiors.**
- Pressure, Range (Absolute) 0 to 5000 mBar



CAN Strain Gauge Amplifier

- **24-Bit ADC-to-CAN Strain Gauge and Load Cell Amplifier**



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