

CATEGORY:

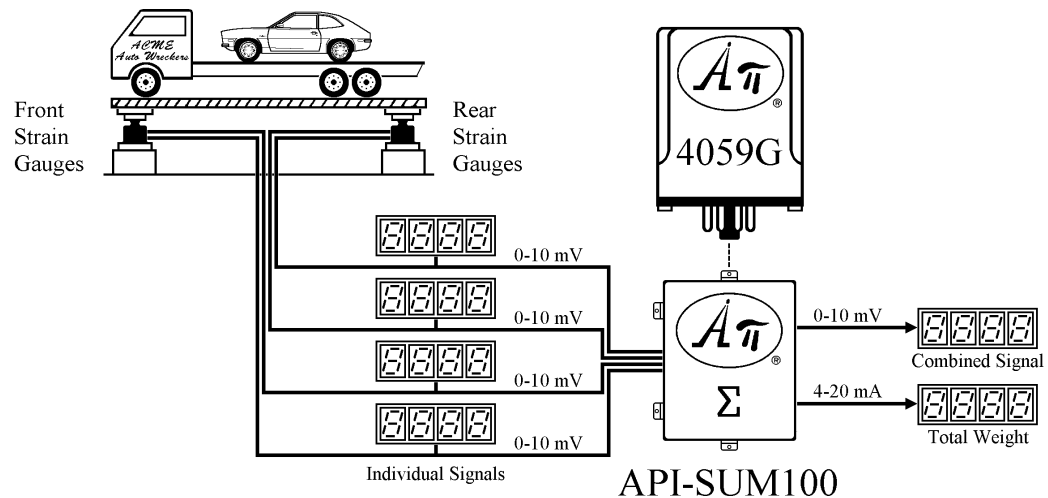
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Other

PLATFORM SCALE SYSTEM**PROBLEM:**

The total weight of vehicles with various loads and weight distributions must be measured and displayed.

SOLUTION:

A weighing platform is equipped with strain gauges at each of its four corners, and the strain gauges are wired to an Api summing box with an Api Model 4059G Field Selectable Isolated Strain Gauge (Bridge) to DC Transmitter module.



The Api 4059G provides excitation voltage for all four of the strain gauges from its built-in power supply. The individual outputs of the strain gauges are combined by the API-SUM100 summing box circuitry to produce a combined signal, and the Api 4059G converts the signal to 4-20 mA to drive the display which is scaled to indicate weight in pounds.

Did You Know ... ?

The Api 4059G is optically isolated, has non-interactive zero and span adjustments and is field rangeable for input, output, excitation and tare offset. Only a screwdriver is required to make the changes.