

**Absolute Process Instruments, Inc.**

Manufacturer of Quality Signal Conditioners Transmitters & Isolators

## Application Notes

- General Info
- Temperature
- Pressure
- Flow
- Speed
- Weighing
- Process

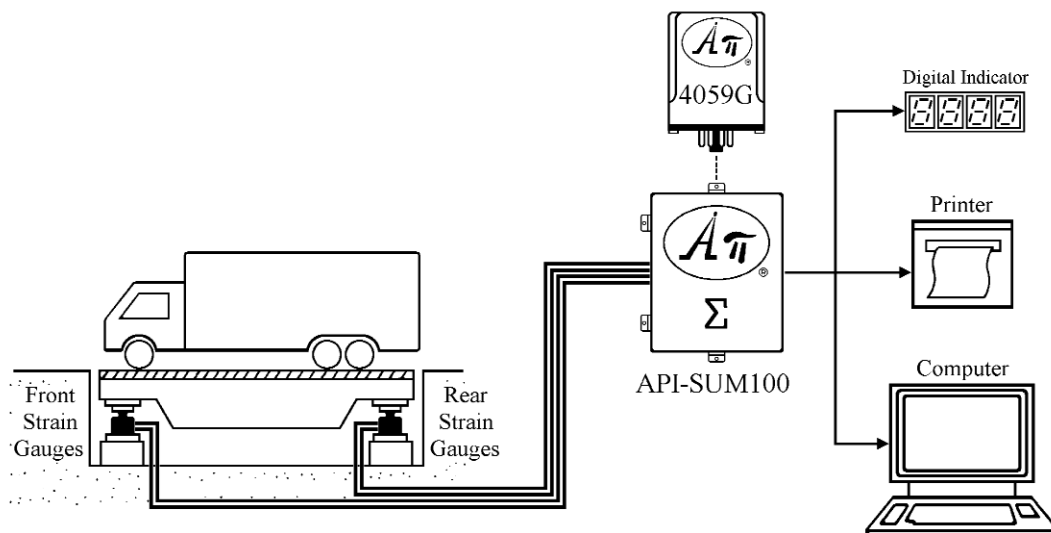
### Truck Scale System

#### PROBLEM

Total vehicle weight is to be displayed, printed out and sent to a computer for record keeping purposes.

#### 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 4059 G** Field Selectable Isolated Strain Gauge (Bridge) to DC Transmitter module.



The **API 4059 G** plugs into a socket on the **API SUM 100** board and provides excitation voltage for all four of the strain gauges from its built-in excitation power supply. The **API SUM 100** summing box combines the four strain gauge outputs and the **API 4059 G** converts the signal and drives the display, the printer and the computer.

#### Did You Know...?

The **API 4059 G** is standard with non-interacting zero and span adjust

**FREE APPLICATION ASSISTANCE**

Call  **Customer Service**

**800-942-0315**

