

Monitoring pressure on tube trailers

APPLICATION C112

Type of Company: Industrial Gas Supplier

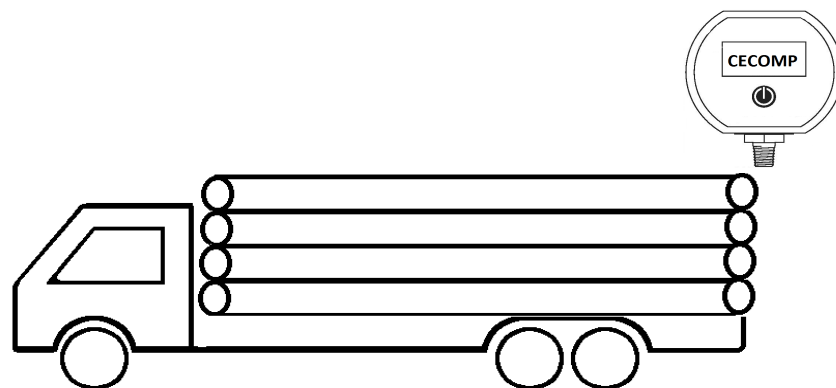
Location: California

Industrial gas suppliers furnish and transport industrial gases (helium, hydrogen, oxygen, etc.) to their customers for use in applications such as food processing, agriculture, and pharmaceuticals. Much of the transportation of the compressed gases to the customer's site is done using tube trailers. Tube trailers consist of 10 to 36 high-pressure cylinders varying in length from 20 to 36 feet that are each pressurized from 2400 to 3600 psig.



The Engineering Issue

- The engineer has a requirement to accurately monitor and record the pressure in the tubes prior to the truck leaving the gas supplier's facility.
- FM approval is required due to the use of explosive gases.



The customer purchased a Ccomp DPG2000B with the high accuracy option. The DPG2000B has an accuracy of 0.1% with the HA option and is intrinsically safe with FM Approval. It is also very rugged, so calibration will not be affected by rough field conditions.

Problem. Solved.