

# API-Cecomcomp Group *n'fo*

## Technical & Application Note C130

Application: Certifying boiler pressures  
 Type Of company: Public Utility -- Coal-Fired Power Plant  
 Location: Missouri

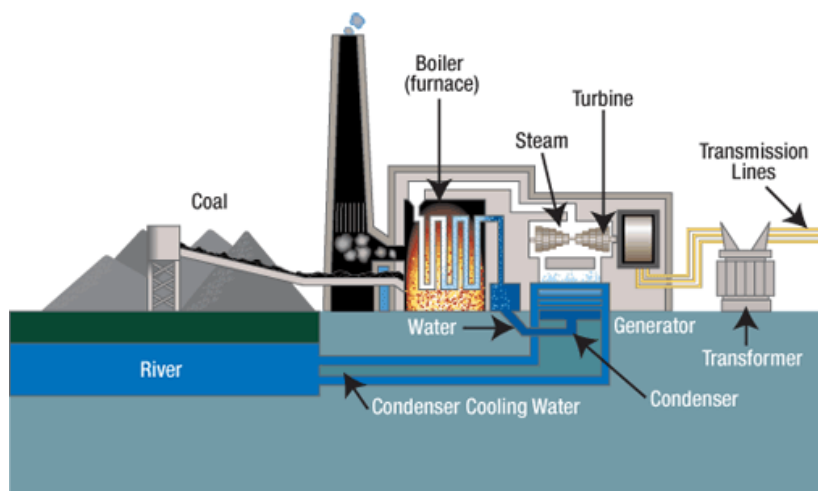
**Problem:** Coal comes into the plant via belt from coal barges and/or the storage coal pile and travels to the boiler. The boiler heats water to create steam that flows into a turbine. At full load, the boilers can burn 380 tons of coal per hour. The turbine turns a shaft. On the end of the shaft is a magnet that revolves inside a coil to create electricity. The customer needs to replace old "R-Stamp" (Accudrive brand) gauges that are currently used to certify the boilers pressures.

**Solution:** The customer will use two 5000psig, two 2000psig, and one each 1000psig and 300psig, nema 4X case, battery powered gauge (F4B) to certify the boiler pressure's.



F4B

NEMA 4X Battery Powered Digital Pressure Gauge



### **Benefits of API's solution:**

- ±0.25% Test Gauge Accuracy
- Long Battery Life (up to 2500 Hours)
- 0.5" digit height on Display for ease of reading
- Availability of a functionally equivalent unit


### **Cecomcomp Unique Feature**



### **F4B features**

This NEMA 4X battery powered gauge has a UV stabilized polycarbonate/ABS case with non-interactive zero and span controls. It has an accuracy of ±0.25% of full scale (±1 least significant digit) with 2500 hours battery life using standard alkaline batteries. The single front button turns gauge on, starts auto shutoff timer, and provides zero (One-Touch Zero) function for gauge reference ranges.

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