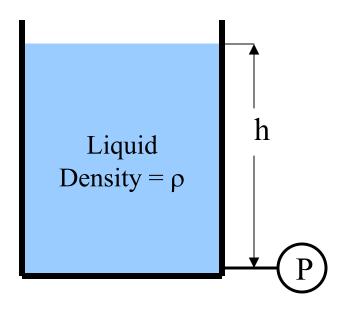
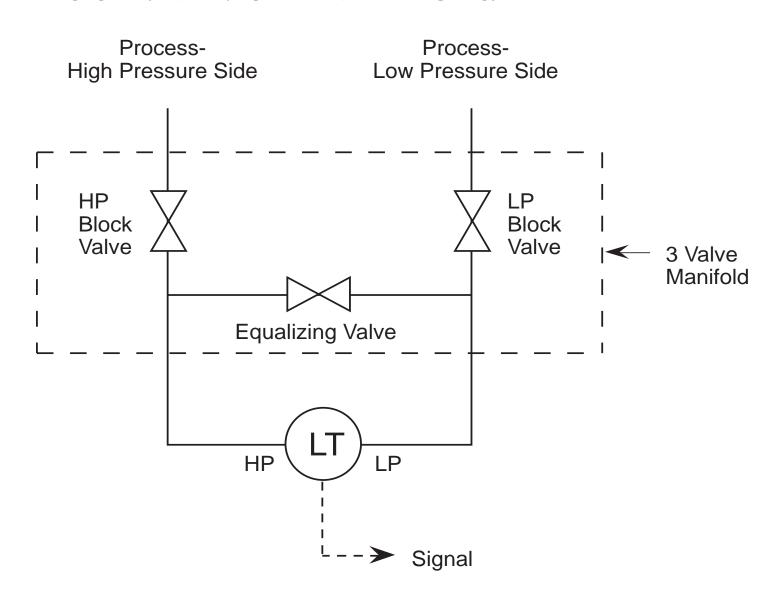
# Level Measurement

#### Inferential Level Measurement

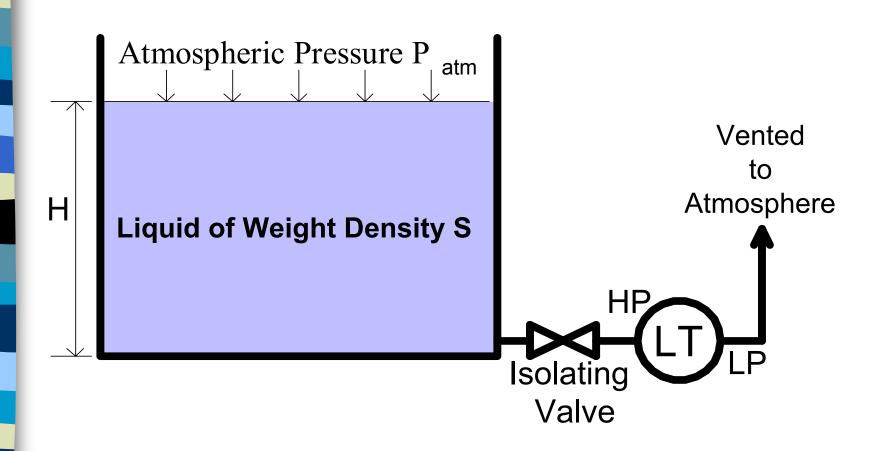


$$P = \rho g h$$

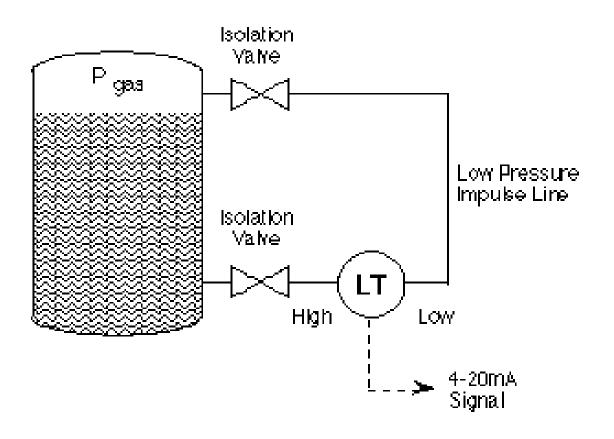
#### Three Valve Manifold



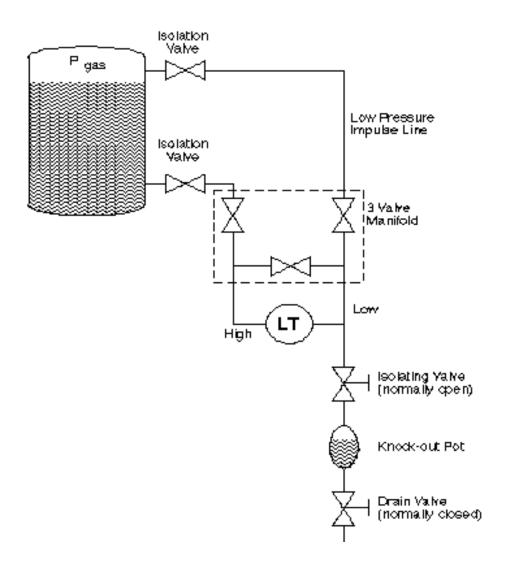
# Open Tank Level Measurement



#### Closed Tank Level Measurement

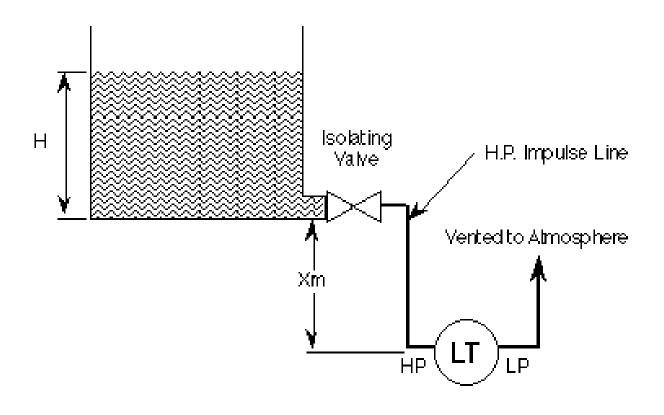


# Dry Leg System

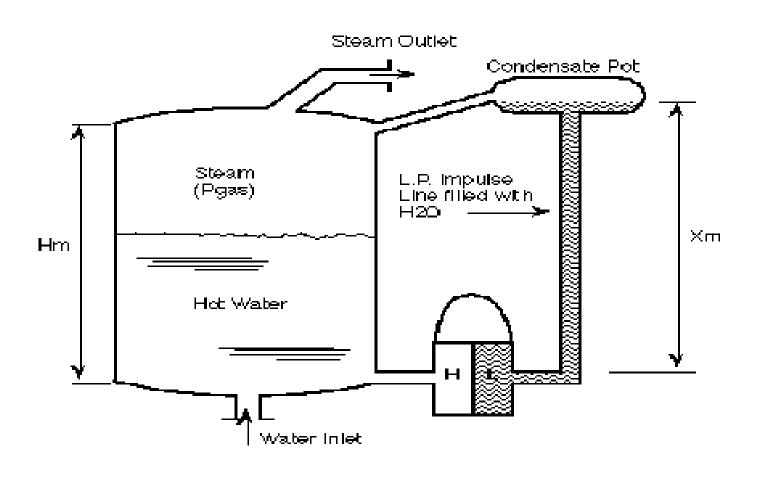


#### Pressure Release Yalve: Wet Leg Isolating Valve 1 Pgas Sloped towards main tank Steam or Electric Heating. Isolating Valve 2 Drain Yalves: I3 Valvei Manifold High Law Transmitter Drain Valves

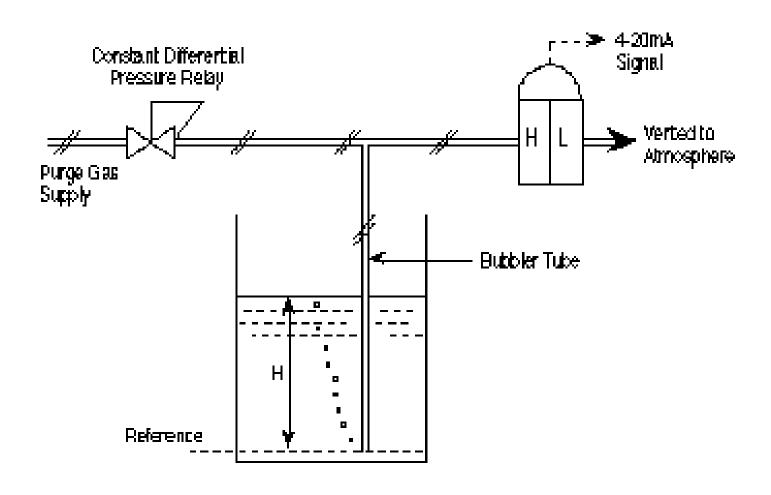
# Zero Suppression



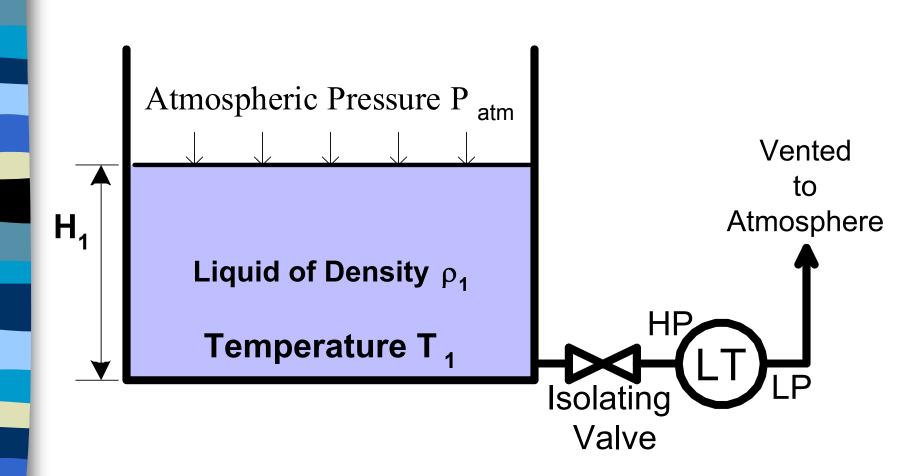
### Zero Elevation



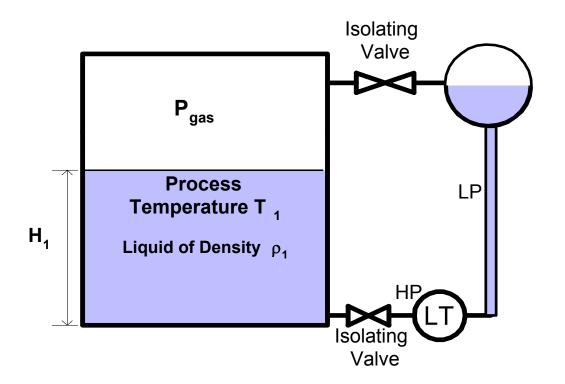
#### **Bubblers**



# Effect of Temperature



# Temp. Effects in a Wet Leg



#### Abnormalities

- Transmitter installed backwards
- Over Pressure
- Sensing Lines
  - Blocked
  - Drained

### For you to do.

- Read pp. 33-49
- Answer Questions pp. 85-86, #15-24