

Measurement



Figure 3-1. Magnetic Flowmeter



Figure 3-2. Vortex Flowmeter

- Introduction to devices used for basic measurement
 - Magnetic flow meter
 - Vortex flow meter
 - Differential pressure for flow measurement
 - Coriolis flow meter
 - Absolute and gauge pressure
 - Temperature – RTD, thermocouple
 - Level based on pressure/differential pressure
 - Level - Radar



Figure 3-7. Temperature Transmitter



Figure 3-6. Pressure Transmitter



Figure 3-9. Radar Level Measurement



Figure 3-8. Level Measurement Based on Pressure



Figure 3-3. Flow Measurement Based on Differential Pressure and Orifice



Figure 3-5. Coriolis Mass Flowmeter

Device Calibration



Figure 3-4. Hand-held Device to Check and Set Transmitter Calibration

- Concept of devices calibration and configuration is introduced.
- Role of hand held devices and EDDL is addressed