



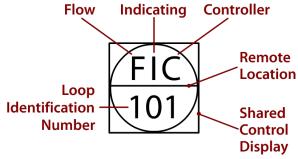
Course Objectives

- 1. State the purpose of process instrumentation.
- 2. Explain the role of instrumentation in a closed control loop model (sensor, transmitter, controller, final control element).
- 3. Describe categorization of instrument by functions.
- 4. Describe categorization of instruments by location.
- 5. Describe categorization of instruments by power source.
- 6. Describe categorization of instruments by signal type.
- 7. Explain the role of instrumentation symbols in P&IDs.
- 8. Recall the four process variables most commonly monitored by process instrumentation.

Abc

Key Terms (Define the following)







1.	Feedback control is also called control.
2.	Information in a typical feedback loop flows from a sensor to a
3.	The final control element directly affects the if the feedback loop is working properly.
4.	A transducer is an example of a instrument.
5.	What are the 4 basic types of signal transmission used for process instrumentation? 1) 2) 3)