

## 5 Basic Components of Control Systems

Chapter 1 presented the three basic components of control systems: **sensors/transmitters**, **controllers**, and **final control elements**.

In that chapter, we learned that these components perform the three basic operations of every control system: **measurement (M)**, **decision (D)**, and **action (A)**.

The present chapter takes a brief look at the **sensor/transmitter** combination, the M component, followed by a more detailed study of control valves, the A component, and feedback controllers, the D component.

Appendix C presents numerous diagrams, schematics, and other figures to aid in the presentation of different types of sensors, transmitters, and control valves.

Thus Appendix C complements this chapter, and the reader is encouraged to read it along with this chapter.