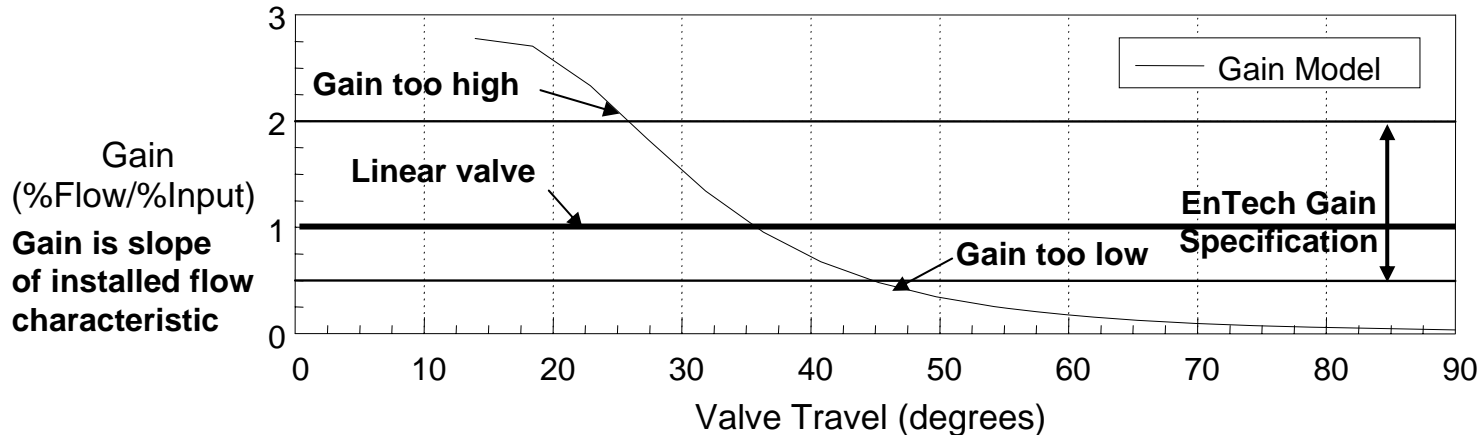
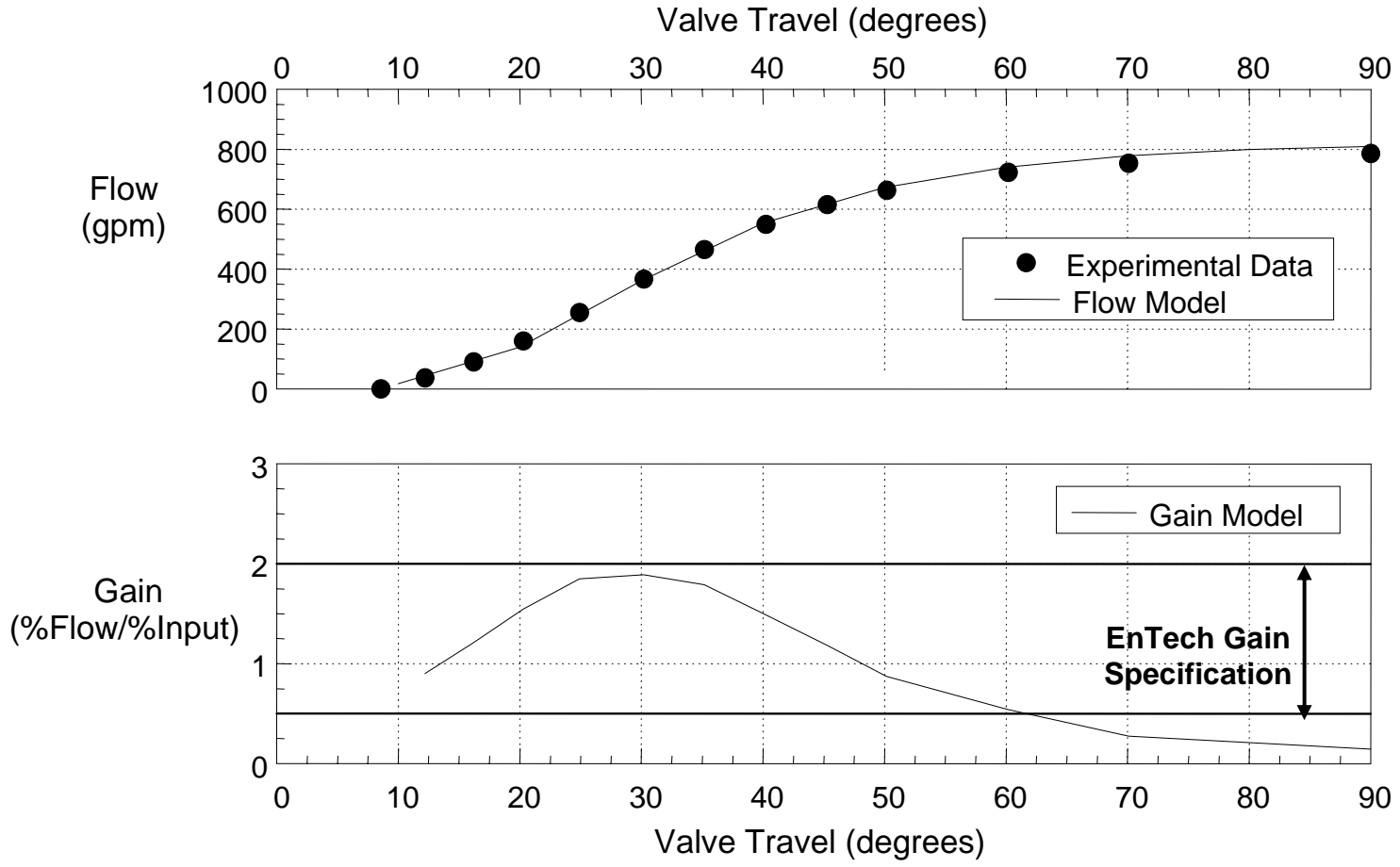


Can use signal characterization for flat part of curve



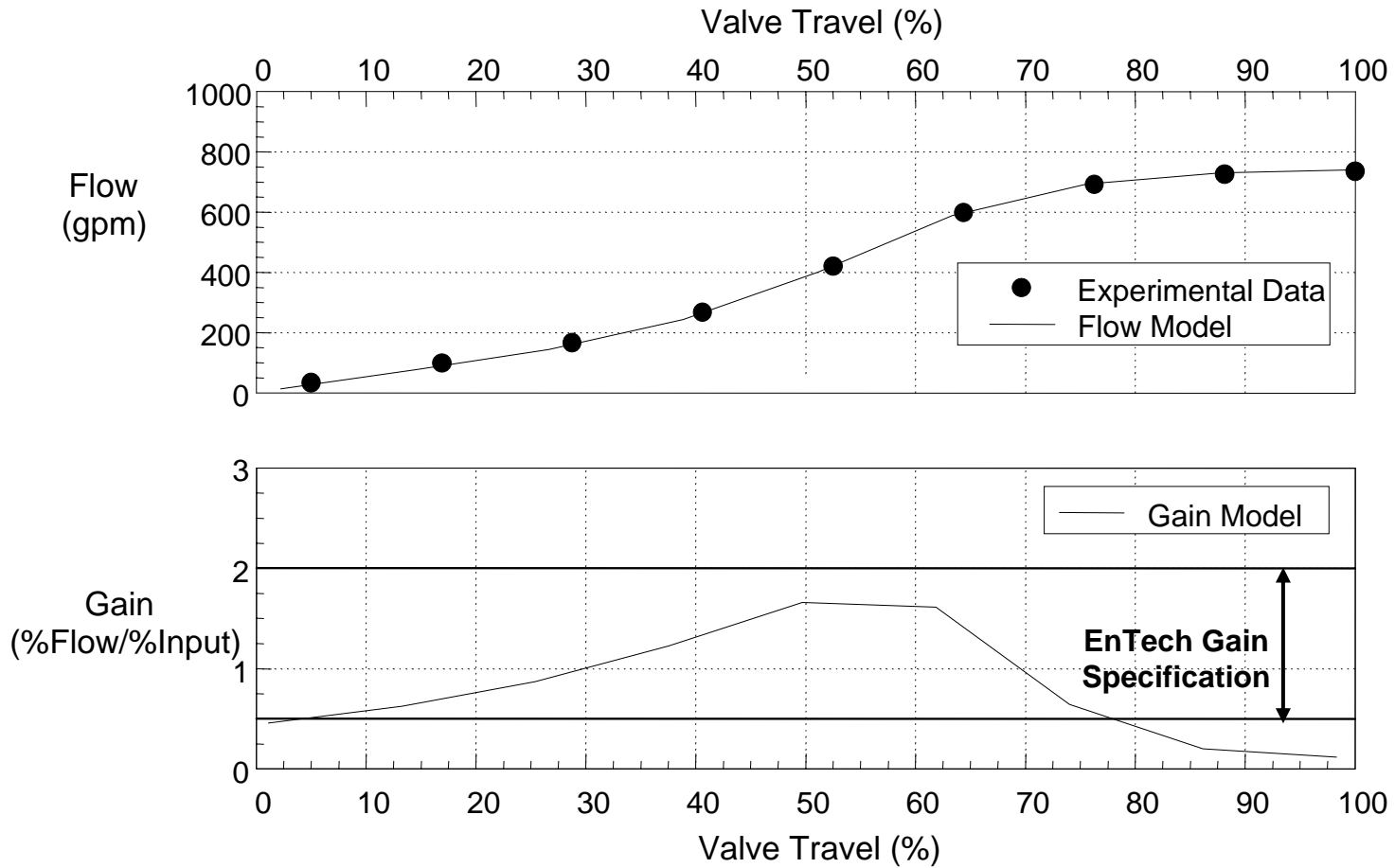
Suggested throttle range is 25 to 45 degrees

Figure 2.3a Installed Characteristic of a Butterfly Valve
(Advanced Control Unleashed, ISA, 2003)



Suggested throttle range is 10 to 60 degrees

Figure 2.3b Installed Characteristic of a Ball Valve
(Advanced Control Unleashed, ISA, 2003)



Suggested throttle range is 5 to 75 %

**Figure 2.3c Installed Characteristic of a Sliding Stem Valve
(Advanced Control Unleashed, ISA, 2003)**