Reads sugar>process whether need sugar or not/calculate how much>safety double check>deliver sugar

Blood->[Blood sugar sensor]->Blood parameters->[Blood sugar analysis]->Blood sugar level->[Insulin requirement computation]->Insulin Requirement->[Insulin delivery controller]->Pump control commands->[Insulin Pump]->Insulin

Power Supply

Controller

Display

Sensor

Alarm

Clock

Pump

Needle Assembly

Insulin reservoir