Request data from ventilator

Receive data from ventilator

Split incoming data

Compute a Fast Fourier Transform

Calculate H1/DC

Display H1/DC

Create relative database record

Encrypt data

Store data

Upload stored data to the cloud

ASCII

ASCII to ventilator

Error Check

ASCII from ventilator

ASCII

Request data from pulse oximeter

Receive data from pulse oximeter

ASCII

ASCII to pulse oximeter

Error Check

ASCII from pulse oximeter

ASCII

Request data from capnograph

Receive data from capnograph

ASCII

ASCII to capnograph

Error Check

ASCII from capnograph

ASCII

Display H1/DC

H1/DC Data

ASCII

ASCII

ASCII

Record Info

Raw Data

Transform Data

Database Record

Encrypted Database Record

Encrypted Database Record