

LOW COST PRESSURE SENSOR FOR VENTILATORS

01-APR-2020

BASIS: \$5 USD or less for 100 pcs.

Design Requirements:

- 1) Can operate upto 40cm H₂O pressure
- 2) Meets above cost requirements
- 3) Redundancy to avoid lung damage
- 4) Easy integration with circuit boards or microcontrollers.
- 5) Must be easy to manufacture locally

Procedure:

Based on prior designs developed at
Prognosis Pte Ltd to measure force/pressure

Outcome: 1) Pressure Sensor - BMP280 or similar

