Sensor can be one-time use or resettable

PPA used to pull latch beam 1 over enough to reset the latch.

- direction shock/accel sensor
3. **Latching Pressure Sensor**

![Diagram of a latching pressure sensor](image)

- Diaphragm
- Boss
- Latch
- Vacuum

4. **Corrosion Sensor**

![Diagram of a corrosion sensor](image)

- Passivation
- Exposed thin metal resistive element

Metal selected with high reaction to a corrosive gas or liquid.

Exposure increases resistance, eventually to an open, with timed exposure to a corrosive gas/liquid.

5. **Latching Temperature Sensor**

![Diagram of a latching temperature sensor](image)

- Low temp latch
- High temp latch
- LT Sense

CTE_a > CTE_b

AB is a bimorph
6) Accumulated Mass Sensor

ex: Dust accumulation

\[ \omega_n = \sqrt{\frac{k}{m}} \]

Dust can accumulate on the mass and increase its mass.

For reading the sensor, the resonator is powered up and the resonating frequency is read.

Otherwise, it is unpowered.