

Biometric Seat Research



Temperature sensing

Infrared sensors in the steering wheel spokes monitor the driver's facial temperature while sensors in the steering wheel rim track changes in the palms

Ambient temperature

An infrared sensor under the steering column provides a cabin temperature to compare against the driver

Heart rate monitoring

Conductive sensors like those found on exercise machines are used to measure changes in the driver's heart rate

Respiration

A piezoelectric sensor in the seatbelt counts the driver's breathing rate

