

Massa Model M-3009 Ultrasonic Occupant Sensing System



Photograph Showing the M-3009 Mounted
on the Instrument Panel of a Test Car

- Used to measure the position of passengers in automobiles to control the air bag deployment
 - Also measures the velocity and acceleration of the passengers if they move
 - Determines if the target is a rear facing infant seat
- System uses a linear array of three 80 kHz ultrasonic transducers with fan-shaped radiation pattern
 - Transducers are low Q
 - Transducers are completely sealed units