

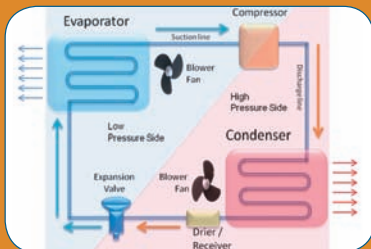


Predictive Maintenance Sensor (PMS) for AC/Refrigeration Systems

The ATGI Predictive Maintenance Sensor (PMS) is Patented Aerospace technology now available for commercial and automotive Air conditioning and refrigeration systems.

Originally developed for determining multi-phase flow in cryogenic rocket engine propellants, the PMS can be utilized as a predictive maintenance sensor in any vapor-compression cycle. There are currently no predictive maintenance sensors that operate on this level in the automotive, commercial refrigeration or home AC systems.

The PMS has the ability to avoid food spoilage and eliminate perspiration.



The ATGI PMS will:

- Eliminate potential food spoilage for commercial and home use
- Be the first automotive A/C sensor to indicate maintenance required
- Cost a few dollars in mass production for automotive applications
- Reduce energy cost associated with poor performing home A/C systems
- Reduce refrigerant escape into the atmosphere

In the next 40 years it is estimated that over 1.5 billion cars will be added to the roads. The number of U.S. homes equipped with air conditioning rose from 64 to 100 million between 1993 and 2009. 50 million A/C units were sold in China in 2010 alone.