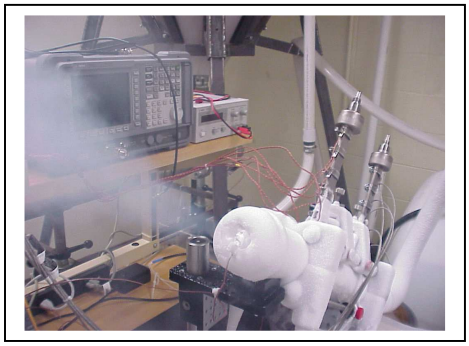
Cryogenic Instrumentation



The cryogenic testing utilizes two ultrasonic transceivers mounted to a stainless steel section of pipe. An ultrasonic flow meter output signal or a signal generator is used as a transmitting signal source and an oscilloscope and spectrum analyzer are utilized to measure and assist in analysis of received signals. The test fixture consists of a section of pipe with a liquid nitrogen supply and venting at the opposing end for pressure stabilization.