

Mass Air Flow Sensor Testing

Project Overview

To test the effect of turbulence created by an automotive air induction system on the mass air flow sensor as fuelling and spark timings are based on MAFS signal.

Very precise air flows are achieved by sucking air at high pressure through a combination of sonic nozzles. The software controls the switching of the nozzles and measures the pressure drops and flow and electrical characteristics of the component.

The control system has a fully interactive HMI and with air flow rates as high as 1800 kg/h the control circuits and software have been designed with an emphasis on the safety.

