

Data Acquisition System for Automotive Testing According to the European Directive 2004/104/EC

Authors : Herminio Martínez-García, Juan Gámiz, Yolanda Bolea, Antoni Grau

Abstract : This article presents an interactive system for data acquisition in vehicle testing according to the test process defined in automotive directive 2004/104/EC. The project has been designed and developed by authors for the Spanish company Applus-LGAI. The developed project will result in a new process, which will involve the creation of braking cycle test defined in the aforementioned automotive directive. It will also allow the analysis of new vehicle features that was not feasible, allowing an increasing interaction with the vehicle. Potential users of this system in the short term will be vehicle manufacturers and in a medium term the system can be extended to testing other automotive components and EMC tests.

Keywords : automotive process, data acquisition system, electromagnetic compatibility (EMC) testing, European Directive 2004/104/EC

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