

Customized infotainment test systems for vehicles ensure competitive advantages

■ Productronica 2001, Munich — Rohde & Schwarz has developed a series of Automotive Verification Test Systems (AVTS) tailored to the special requirements of the automobile industry. These systems enable quick and comprehensive testing of the proper functioning and interaction of modern entertainment and communications electronics in vehicles. The AVTS are available as basic systems for radio, television, mobile radio, and navigation, as well as for customer-specific applications. Fully automatic test sequences can be created by combining the AVTS with the diagnostics bus of the vehicle, which considerably reduces test times and ensures competitive advantages.

Modern vehicles today contain far more electronics than those of ten years ago. All these systems have to function together without interfering with or affecting each other. To develop and implement reliable entertainment and communications electronics, Rohde & Schwarz has worked together with automobile manufacturers and suppliers to create a series of Automotive Verification Test Systems. These systems enable entertainment and communications technologies such as DVB, DAB, UMTS or Bluetooth to be integrated into the infotainment systems of modern vehicles.

The AVTS are available as ready-to-go basic systems as well as for special customer applications. They are capable of handling radio, TV, mobile radio, and navigation. The AVTS-AM and AVTS-FM, for example, allow easy, cost-efficient tests for the installation of car radios, including tests on components such as antennas, amplifiers, and cables. In addition, the special AVTS-LS module ensures straightforward testing of the loudspeakers installed in the vehicle. The AVTS sound test system provides capabilities for complex audio analysis to determine noise sources: sources of such interference include loose door panels or cables hitting against parts of the bodywork which cause resonance in the audio system. Separate system versions are also available for TV and car telephones. Special software

provides information on the status of the tests and the results. Individual customer applications can also be implemented in the AVTS.

The AVTS are available from Rohde & Schwarz now.

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Rohde & Schwarz

The Rohde & Schwarz group of companies with headquarters in Munich develops, produces and markets communications and T&M instruments and systems with the emphasis on mobile radio, broadcasting, EMC measurements, general-purpose and RF test equipment, radiomonitoring and radiolocation, radiocommunications as well as communication security. Rohde & Schwarz has subsidiaries and representatives in over 70 countries. The group with its 5.000 employees achieves an annual turnover in excess of 800 million Euro worldwide.

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