



## EMS Test System TS9986

EMS measurements to IEC 801-6/IEC 1000-4-6

- Automatic measurement of susceptibility to conducted interference to IEC 1000-4-6 and other standards
- High accuracy and reproducibility of results
- Short preparation and test times with powerful software under MS-Windows™
- Automatic generation of detailed test reports
- Reliable, computer-controlled system operation
- Efficient test routines
- Optimal operating concept



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## Uses

When the new European standards for electromagnetic compatibility and the analogous national legislation come into effect, EMS tests on electrical and electronic equipment are required for all areas of the non-military sector.

The test procedure for determining susceptibility to conducted RFI is described in the international standard IEC 1000-4-6 (previously IEC 801-6) presently under preparation. In Germany, a corresponding VDE standard will be derived from this standard.

fier, and a power meter. The system is controlled by a computer (PC) via the IEC/IEEE bus. This makes for reproducible and largely automatic test routines.

## Software

Test System TS 9986 is supplied with the Rohde & Schwarz System Software EMS-K1 for Windows™. The software makes it possible to carry out automatic EMS measurements to all relevant standards. EMS-K1 is a convenient, cost-effective and reliable tool, enabling fast and easy system operation

## Accessories

One or several different CDNs may be required to the TS 9986 basic system configuration depending on the type and number of connections to the EUT. Further accessories including a computer desk, a wooden test bench with a copper surface, and feedthroughs for shielded walls are available to yield a system tailor-made to customer's requirements.



Various expansion stages of Test System TS9986

Model	Main applications	Technical features	Order No.
TS9986A	Favourably priced basic system for development labs, EMC labs and test houses; compliance tests already possible	25-W amplifier, EMS control unit designed as a 19" desktop	1076.6993
TS9986B	Expandable basic system for EMC labs (quality management) and test houses	25-W amplifier, EMS control unit designed as a 19" rack	1076.7090
TS9986D	Universal, high-performance expandable system for test houses and EMC labs	150-W amplifier, EM clamp with decoupling network, EMS control unit designed as a 19" rack	1076.7290
TS9986M	System expansion for automatic detection and processing of EUT response	EUT monitoring system with fiber-optic data transmission	1076.7490

Test System TS 9986 enables automatic EMS testing to IEC 1000-4-6 with severity levels of up to 10 V in the extended frequency range 150 kHz to 230 MHz. TS 9986 is an efficient and reliable tool both for development and acceptance tests.

## Measurement technology

The basic TS 9986 control unit is shown on the front. TS 9986 includes a signal generator, a 25-W power ampli-

and high throughput. The extended test and configuration capabilities ensure high reproducibility of results.

## System expansion stages

Test System TS 9986 comes in three expansion stages plus an option for automatic EUT monitoring.

## Further information

Test System TS 9982 is available from Rohde & Schwarz for EMS testing to IEC 1000-4-6 and IEC 1000-4-3.

For further information please contact your nearest Rohde & Schwarz representative or our Munich head office:

Telephone: +4989 4129-2120

Telefax: +4989 4129-3441



**ROHDE & SCHWARZ**

ROHDE & SCHWARZ GmbH & Co. KG · Mühldorfstraße 15 · D-81671 München  
P.O.B. 801469 · D-81614 München · Telephone +4989 4129-2120 · Fax +4989 4129-3441