CDG 7000-200-4

Conducted Disturbances Test System

IEC/EN 61000-4-6, IEC 60601-1-2 Ed. 4.1,
IEC 61000-4-39, MIL 461 CS 114,
ISO 11452-4, Namur

- The CDG 7000-200-4 complements the test system CDG 7000-200 (RF signal generator, RF power amplifier, 3-channel RF voltmeter, and directional coupler)
- **CDG 7000-200-4: 4 kHz – 1 MHz** complements the CDG 7000-200: 100 kHz – 400 MHz in the lower frequency range!

Accessory for the CDG 7000-200 with a 200 W RF power amplifier

Overview

The new **CDG 7000-200-4 amplifier complements the CDG 7000-200** and is designed to meet all immunity standards against conducted disturbances and magnetic fields induced by high-frequency fields, including BCI testing (ISO 11452-4). With a frequency range of 4 kHz to 1 MHz, it also covers low frequencies.

A temperature-controlled fan ensures reliable and long-lasting operation, even under demanding conditions. Comprehensive protection mechanisms—including short-circuit, overload, and over-temperature protection—ensure maximum operational safety. The device can be remotely controlled via USB and LAN using SCPI.

Key Facts

- **CDG 7000-200-4**: Lower frequency extension and add-on for the CDG 7000-200 with 1–400 MHz, 200 W RF-amplifier
- Optimal cooling design with temperature-controlled fan
- Protected against short circuits, overloads, and overheating
- Linear MOSFET amplifier technology for excellent signal fidelity
- Class A/B design for high efficiency
- Suitable for all modulation types
- Interlock input
- LEDs for Ready and Protection
- Low distortion even at high power levels

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Technical data

CDG 7000-200-4	
Frequency range	**4 kHz - 1 MHz**
Output power linear	**min. 250 W**
Input impedance Output impedance	SMA, 50 Ω nominal N, 50 Ω nominal
Gain	55 dB ± 1,5 dB
Distortion	< 40 dB @ 200 W output power
Input power for rated output power	1 mW / 0 dBm
Max. permissible input power (without damage)	1 Vrms / 13 dBm

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. Technical changes and errors excepted. 282604