



Meinberg Radio Clocks

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SIM77P: DCF77 Simulator

DCF77 Simulator SIM77P

Key Features

- Large Number of AM Receivers connectable
- Generates Amplitude modulated DCF77 Signal
- 4 DC-Insulated Antenna Outputs

Description

The simulator SIM77P uses TTL level time marks supplied by either the MEINBERG GPS satellite receiver or the DCF77 correlation receiver (with special adaption) to modulate the amplitude of a 77.5 kHz carrier generated on-board.

The resulting DC-insulated output signal distributed fourfold and available at the rear VG edge connector is compatible with the LF signal spread by DCF77, the output circuit is designed to feed the antenna input circuit of a standard Meinberg DCF77 AM radio clock or an antenna distributor AV4 or AV5 which can in turn be used to feed several radio clocks.

It is not allowed to use the SIM77P as an LF transmitter, so it is not possible to supply the simulated signal to a radio clock via its antenna.

Characteristics

Input signal	DCF time marks, TTL level
Frequency Outputs	Amplitude modulated sine wave carrier 77.5kHz, dc-insulated Output level: approx. -60dBm the output is distributed fourfold on board
Dimensions of the front panel	4HP/3U (20mm x 128mm)
Electrical Connectors	64 pin rear VG edge connector DIN 41612
Operating Voltage	+5 V DC
Current Draw	ca. 70mA
Board type	Eurocard
Board Dimensions	160 mm x 100 mm, 1,5 mm Epoxy
Supported Temperature	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
Supported Humidity	Max. 85 % (non-condensing) at 40 °C
Warranty	Three-year warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

There is no online manual available for this product.: [1][Contact us](#)

Links:

[1] <mailto:info@meinberg.de>