

# EMC Professional 3001 / 3011



DCF77 time server with integrated radio time receiver for industrial environments

## Features

- Reception of time and date based on DCF77 signal within a 2000 km radius around Frankfurt/Main
- Stand-alone NTP time server
- Battery buffered and temperature compensated real time clock
- Signal monitor
- LC display for time, date and error value
- Ideal reception through active ferrite rod **DCF77 Antenna 0220** (included in delivery)
- Switchable potential-free relay output (24 V, 0.5 A)
- Interface for optional temperature sensor (**3011**)
- Independent of OS (Ethernet, RS232)
- Firmware update via Ethernet during operation
- HTTP 1.1, DHCP, SNMPv1 (Traps), SNMPv2c (Traps), Syslog
- Access control via IP Access Control List
- Access control via optional HTTP password
- Low power consumption, typ. 3 W / 5 W (**3001** / **3011**)
- Developed and manufactured in Germany



**EMC Professional 3001**  
Time server in solid body for table installation



**EMC Professional 3011**  
Time server for 19 inch racks

## Electrical Connections

- DC socket for external **Power Supply Unit 7905**, included in delivery (**3001**)
- Power supply IEC C14 (max. 10 A) (**3011**)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Switchable output (PTR multiconnector, 2-fold)
- RJ11 interface for optional temperature sensor (**3011**)
- Serial interface RS232 (Sub-D, 9-pin)
- BNC connector for active **DCF77 Antenna 0220**

## Technical Details

- LxHxD: 17 x 6.5 x 10.5 cm (**3001**)
- Weight: ca. 0.7 kg (**3001**)
- Dimensions: 19 inch, 1 rack unit (**3011**)
- LxHxD: 43.9 x 4.4 x 15.0 cm (without brackets) (**3011**)
- Weight: ca. 2.2 kg (**3011**)
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

Order code	Product	Feature	Operating voltage
3001	EMC Professional 3001	DCF77 time server in desktop body	External power supply unit (12 V)
3011	EMC Professional 3011	DCF77 time server in 19 inch body, switchable output, sensor interface	230 V
0220	DCF77 Antenna 0220	Active ferrite rod antenna with BNC connector, cable length 5 m (extendable up to 100 m), included in delivery	
0134	BNC Extension Cable for active antenna	Cable length 10, 20, 30, 50, 100 m	
7000	Temperature Sensor 7000	Cable sensor, RJ11 plug, -20°C to +80°C	
7905	Power Supply Unit 7905	Power supply with plug for 2.1 mm pin, 100-240 V AC, 12 V DC, 2.5 A, cable length: 1.8 + 2.4 m, included in delivery for 3001	



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