Meinberg Radio Clocks
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ANZ14: DCF77 Radio Clock Display

DCF77/NTP Radio Clock Display

Key Features

- Stand Alone Radio Clock or Display for external Clock
- Good visible LED Display for Time, Date and Day-of-the-Week
- RS232/20mA Interface
- Buffered hardware clock
- optional as Slave Clock for Meinberg LANTIME NTP Time Server (ANZ14/NET)
- Integrated Power Supply
- available as Stopwatch (Option)

Description

Standalone radio clock, may be an additional display for another external clock. Option: can act as a slave clock for [1] Meinberg LANTIME NTP Time Server (ANZ14/NET). With good readable LED display for time of day, date and day of week. RS232/20mA-interface, unlimited series connection possible, with buffered hardware clock and integrated power supply unit, optionally with stop watch function.

Characteristics

Type of receiver	Narrowband straight receiver with automatic gain control, Bandwidth: approx. 40Hz
Form Factor	Aluminium stack case (optional: black anodised) height x width x depth (72mm x 144mm x 132mm), for cutouts of 140mm x 68mm
Display	12 numeric LED digits for time and date 2 alphanumeric LED digits for day of the week 14mm/13mm character height (time/date), settable brightness Modulation and RF Amplitude indicated by LEDs Without RF signal the clock runs on XTAL with an accuracy of $\pm 1 \cdot 10^{-6}$ (after 24 hours of synchronous operation), indicated by LED
Reception Control	Multiple check of received time telegram Plausibility control by using two complete time telegrams
Interface	One serial RS232/20mA interface, configurable Baudrate: 600, 1200, 2400, 4800, 9600, 19200 baud Framing: 7E2, 8N1 1 x 20mA current loop output, passive 1 x 20mA current loop Input, active [2]Output string: 32 ASCII characters with date, time and status information
Electrical connectors	9pin SubD female connector BNC female connector power cord receptacle
Backup battery type	When main power supply fails, hardware clock runs free on quartz basis, life time of lithium battery min. 10 years
Power supply	230V/50Hz, 50mA or +5V, 500mA or 8V - 12V, 500mA (please specify with the order)
Ambient temperature	0 ... 50°C / 32 ... 122°F
Humidity	Max. 85%
Scope of supply	Scope of supply includes an active ferrite antenna [3]AI01 and 5m of RG174 coaxial cable with BNC connectors. Optional: [4]AW02 with RG58 and patch cord, other length of cable
Options	The ANZ14 can be used as a stopwatch with special software. Resolution: 1/100 sec., Operation is controlled by two external keys or via the serial interface. Equipped with a network connector RJ45 in the rear panel and special software the ANZ14 can be used as a Slave Clock for Meinberg LANTIME NTP Time Server (ANZ14/NET).
RoHS-Status of the product	This product is fully RoHS compliant
WEEE status of the product	This product is handled as a B2B category product. In order to secure a WEEE compliant waste disposal it has to be returned to the manufacturer. Any transportation expenses for returning this product (at its end of life) have to be incurred by the end user, whereas Meinberg will bear the costs for the waste disposal itself.

Manual

The english manual is available as a PDF file: [5]Download (PDF)

Links:

[1] http://www.meinberg.de/english/products/lantime.htm
[2] http://www.meinberg.de/english/products/../specs/timestr.htm
[3] http://www.meinberg.de/english/products/ai01.htm
[4] http://www.meinberg.de/english/products/aw02.htm
[5] http://www.meinberg.de/download/docs/manuals/english/anz14_v3.pdf