



Meinberg Radio Clocks

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UA32S: DCF77 Radio Clock

DCF77 Radio Clock UA32S

DCF77 Radio Clock UA32S with RS232 interface, 3 relay outputs with 50 watt safe load and 4 optocoupler outputs.

Important Note

This product is no longer available and may have been replaced by a newer product. We will, of course, continue to provide support for units that have already been purchased and are still in use. Please contact our [1][Sales Department](#) for further details.

Key Features

- 4 Optocoupler Outputs
- 10mm LED-Display (for 20HP version)
- RS-232 interface
- Reception status indicated by LED
- Buffered hardware clock
- Pulses and Switching Times according to User Demands
- 3 Relay Outputs with 50 Watt Safe Load

Characteristics

Receiver Type	Narrowband synchronous receiver with automatic gain control, Bandwidth: approx. 40Hz
Status Indicators	Modulation and field strength visualized by LEDs Free running state visualized by LED after switching to free running quartz clock mode
Type of Antenna	DCF77 indoor antenna AI01
Display	With 20HP front panel: 7-segment display (10mm LED segments) Also available in a 4HP version (no display)
Synchronization Time	2
Accuracy free run	Accuracy of the quartz base after min. 24hrs of synchronized operation: $\pm 1 \cdot 10^{-6}$
Reception Monitoring	Incoming time string undergoes multiple checks Plausibility test using two full consecutive time strings
Interface	Single serial RS-232 interface
Serial Time String Output	2 BCD-bits per byte
Relay Outputs	3 relay outputs (50W) programmed according to user demands
Optocoupler outputs	4 optocoupler outputs (70V/20mA)
Dimensions of the front panel	Version with display: 20HP/3U (100,8mm x 128mm) Version without display: 4HP/3U (20mm x 128mm)
Electrical Connectors	64-pin rear VG edge connector DIN 41612 SMB male connector
Power Consumption	750 mW
Backup Battery Type	In case of supply voltage failure the on-board RTC keeps the time based on XTAL for more than 150 hours (buffer capacitor) Optional: lithium backup battery (life time: 10 years)
Cable Type	coaxial cable RG174 for indoor use (SMB-, BNC-connector)
Operating Voltage	+5 V DC
Current Draw	ca. 150 mA
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
Contents of Shipment	Scope of supply includes an active ferrite antenna [2] AI01 and 5m of RG174 coaxial cable with BNC connectors. Optional: [3] AW02 with RG58 and patch cord, other length of cable
Options	set mode with external push-buttons
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

The English manual is available as a PDF file: [4][Download \(PDF\)](#)

Links:

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

[2] <https://www.meinbergglobal.com/english/products/dcf77-indoor-antenna.htm>

[3] <https://www.meinbergglobal.com/english/products/dcf77-outdoor-antenna.htm>

[4] <https://www.meinbergglobal.com/download/docs/manuals/english/ua32s.pdf>