



Meinberg Radio Clocks

Lange Wand 9

31812 Bad Pyrmont, Germany

Phone: +49 (5281) 9309-0

Fax: +49 (5281) 9309-30

<https://www.meinbergglobal.com>

info@meinberg.de

DU35K: LED Large Display DU35K (three rows, day of week, date, time)

LED Large Display DU35K with three rows for day-of-the-week, date and time

Key Features

- Stand Alone Clock
- 20mA Interface
- 50mm LED Display for Time and Date
- RS-232 interface
- Display for external Clock
- DCF77 Receiver (Option)
- Cascadable
- Option: DU35K/FDM (allows the display of FDM data)

Description

Large display DU35K with good visibility and 50mm height LED characters, working as

radio clock with integrated DCF77 receiver, DCF indoor antenna AI01 and 5m cable (standard) or, by customers specifications, with an external outdoor antenna AW02. Antenna cables can be prefabricated as required. The connection to the external antenna can be done via BNC connector at the rear panel of the display

- * free running clock (with or without automatic changeover in daylight saving)
- * or as externally driven display, via serial timestring (RS-232 or current loop)
- * also available as DU35K/NET - with network connector, type RJ 45 for Ethernet connection

Characteristics

Display	LED-Matrix Display (7 dots high) for time and date 50mm character height Without RF signal the clock runs on XTAL with an accuracy of $\pm 1 \cdot 10^{-5}$, indicated by LED
Interface	One serial RS232/20mA interface
Serial Time String Output	Baudrate: 9600 Baud Dataformat: 7E2 1 active/passive 20mA current loop output (selectable) 1 active/passive 20mA current loop input (selectable) [1] Output string : 32 ASCII characters with date, time and status information
Electrical Connectors	1 x 25 pin, 1 x 9 pin DSub female connector BNC antenna connector (only DCF77 variant) power cord receptacle
Backup Battery Type	In case of supply voltage failure the on-board RTC keeps the time based on XTAL for more than 100 hours
Operating Voltage	85-264VAC (50/60Hz) / 120-375VDC
Form Factor	Plastic coated steel sheet case, black (optional: white), IP30 protected
Physical Dimensions	323mm x 323mm x 57mm (width x height x depth)
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	Two-Year Warranty
Options	Variant DU35K/FDM for displaying mains frequency in combination with mains frequency deviation monitor ^[2] FDM
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: ^[3][Download \(PDF\)](#)

Links:

[1] <https://www.meinbergglobal.com/english/products/specs/timestr.htm>

[2] <https://www.meinbergglobal.com/english/products/frequency-deviation-monitor.htm>

[3] <https://www.meinbergglobal.com/download/docs/manuals/english/du35k.pdf>