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DU35K/NET: LED Large Display and Clock with Network Interface

The DU35K/NET digital clocks is designed for displaying time in the following format: weekday, day, month, hours, minutes and seconds.

The date clock can be connected to a network via Ethernet 10/100Mbit, through which the time synchronization with NTP service is executed. The clock operation settings are maintained with the push-buttons on the back side of the housing.

Key Features

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

Description

Large network display DU35K/NET with good visibility and 50 mm height LED characters, working as:

* DU35K/NET - with network connector, type RJ 45 for Ethernet connection

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 (RS232 or current loop)

Characteristics

Display	LED-Matrix Display for time and date LED technology, character height 50 mm, dot diameter 5 mm, red colour Without RF signal the clock runs on XTAL with an accuracy of $\pm 3 \cdot 10^{-6}$, indicated by LED
Interface	One serial RS232/20mA interface
Serial Time String Output	Telegram is transmitted at each full second. It includes data of time, date and status information. Baud rate: 9600 Baud Framing: 7E2 active/passive 20 mA current loop output (selectable) Format: 32 ASCII characters with date, time and status information D:02.07.09;T:4;U:11.45.24;#*S!
Electrical Connectors	9 pin DSub female connector 10Base-T/100Base-TX: Netzwerkanschluss, RJ-45 BNC antenna connector (only DCF77 variant)
Power Consumption	up to 20 W
Backup Battery Type	In case of a power failure, the internal clock runs up to 10 years after the production date

Operating Voltage	100 - 240 V AC / 47-63 Hz Fuse: Internal, built in power supply
Form Factor	Plastic coated steel sheet case, black (optional: white), IP30 protected
Physical Dimensions	320 mm / 320 mm / 54 mm (W / H / D - not including the mounting carriers)
IP Rating	IP30
Product Weight	3.9 kg
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/ND/FDM for displaying mains frequency in combination with [1] FDM (Frequency Deviation Monitor)
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.: [2][Contact us](#)

Links:

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

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