



## 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](mailto:info@meinberg.de)

## VP100/20NET: Large NTP Display

Large LE-Display VP100/20NET and NTP slave clock.

Large display and NTP slave clock VP100/20 with good visibility and 50mm height LED characters. Text messages can be displayed: fixed, flashing or running characters, programmable via PC.

### Key Features

- NTP Slave Clock
- 20 mA Interface
- 50mm LED Display for Time and Date
- RS-232 interface
- Message Editor for Windows Operating Systems

## Characteristics

---

<b>Display</b>	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
----------------	--

---

<b>Interface</b>	One serial RS232/20mA interface
------------------	---------------------------------

---

<b>Serial Time String Output</b>	Baudrate: 9600 Baud Dataformat: 7E2 1 active/passive 20mA current loop output (selectable) 1 active/passive 20mA current loop input (selectable) [1] <a href="#">Output string</a> : 32 ASCII characters with date, time and status information
----------------------------------	---

---

### Electrical Connectors

- \* 3 x 25-pin DSub female connector:  
PC IN, IN: Auxiliary inputs - for servicing purposes only  
OUT: Output for the time and message telegrams

- \* 1 x 9-pin DSub female connector:  
Relay: Terminal Outputs

- \* 10Base-T: Network connector, RJ-45

- \* 230 V: Euro Socket for mains connections

---

<b>Backup Battery Type</b>	In case of supply voltage failure the on-board RTC keeps the time based on XTAL for more than 100 hours
----------------------------	---

---

<b>Operating Voltage</b>	85-264VAC (50/60Hz) / 120-375VDC
--------------------------	----------------------------------

---

<b>Form Factor</b>	Plastic coated steel sheet case, black (optional: white), protection, IP30 protected
--------------------	--

---

<b>Physical Dimensions</b>	996mm x 100mm x 60mm ( width x height x depth)
----------------------------	--

---

<b>Supported Temperature</b>	Operational: 0 - 50 °C (32 - 122 °F) Storage: -20 - 70 °C (-4 - 158 °F)
------------------------------	--

---

<b>Supported Humidity</b>	Max. 85 % (non-condensing) at 40 °C
---------------------------	-------------------------------------

---

<b>Contents of Shipment</b>	VP100/20 LE-Display, printed manual, power cord and angle brackets for wall mounting (for a vertically swiveling display).
-----------------------------	--

---

<b>Warranty</b>	Two-Year Warranty
-----------------	-------------------

---

<b>RoHS Status of Product</b>	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: [2][Download \(PDF\)](#)

**Links:**

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

[2] <https://www.meinbergglobal.com/download/docs/manuals/english/vp100-net.pdf>