



Meinberg Radio Clocks

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GPSANT: GPS Antenna/Converter Unit

The GPS antenna combines a planar antenna and a frequency converter, which translates the high-frequency phase-modulated spread spectrum signal of the GPS system to an intermediate frequency. This way a standard coaxial cable (e.g. RG58) can be used for the connection with the GPS clock and a distance of up to 300 meters (with RG58) or even 700 meters (with a low-loss cable type like RG213) between receiver and antenna is possible without additional amplifier.

Key Features

- Preformed Cable
- Meinberg GPS Antenna/Converter Unit connected with up to 300m of standard coaxial cable RG58
- Holder for Wall Mounting

Description

GPS reception can only be reliable if the antenna has a free view of the sky, therefore it needs to be installed at a suitable location, e.g. on a rooftop. The unit is remotely powered by the connected GPS receiver (via the antenna cable) and can be used only with GPS equipment from Meinberg.

Mounting material (plastic pole and holders, clamps for wall or pole mounting) is shipped with all Meinberg GPS antennas for easy installation. A standard cable of 20 meters is included. Please specify your order, if you need a different cable length.

Characteristics

Frequency range	Antenna: Receive frequency: 1575.42 MHz Converter: Local oscillator to converter frequency: 10 MHz First IF frequency: 35,4 MHz
Physical dimensions	Dimensions of the GPS Antenna - [1] see datasheet .
Antenna connector	type-N connector
Bandwith	9 MHz
Power supply	12V ... 18V, @ 100mA (provided via antenna cable)
Form Factor	ABS plastic case for outdoor installation (IP66)
Ambient temperature	-40 ... 65°C
Warranty	Three-Year Warranty
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: [2][Download \(PDF\)](#)

Links:

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

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