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GPS/XHS: Satellite Receiver with integrated power supply for DIN Mounting Rail

The module is suitable for applications that only need a serial RS-232 interface for synchronisation.

The satellite receiver with integrated power supply is assembled in an aluminium profile case for 35 mm DIN mounting rail. The module provides a serial RS-232 interface.

Key Features

- RS-232 interface
- Included GPSANTv2 antenna uses downconverter technology to enable long transmission routes of up to 1100 m (1200 yards) -- with Ultraflex H2010 cable
- Remote control and monitoring with included PC-software (COM0)
- Aluminium profile case for 35mm DIN mounting rail
- Flash-EPROM with bootstrap loader

Characteristics

Receiver Type	12 channel GPS C/A-code receiver
Status Indicators	Fail-LED shows that the internal timing has not been synchronized or that a system error occurred Lock-LED shows that the calculation of the position has been achieved after reset
Type of Antenna	Included [1]GPSANTv2 antenna with innovative downconverter technology that allows transmission routes of up to 300 m using RG58 cable, 700 m using RG213 cable, and 1100 m using H2010 Ultraflex cable
Synchronization Time	Max. 1 minute in normal operating conditions Max. 25 minutes (average 12 minutes) upon first initialization or in the absence of saved satellite data
Interface	Single serial RS-232 interface
Serial Time String Output	Baud Rates: 19200 (Default), 9600, 4800, 2400, 1200, 600, 300 Framing: 7N2, 7E1, 7E2, 8N1 (Default), 8N2, 8E1, 8O1 Time String Formatse: Meinberg Standard, Meinberg GPS, SAT, NMEA RMC, NMEA GGA, NMEA ZDA, NMEA RMC GGA (RMC followed by GGA), Uni Erlangen, Computime, Sysplex 1, SPA, RACAL, ION, ION Blanked, IRIG-J-1, 6021
Antenna Connector	BNC connector
Power Consumption	ca. 10 W
Backup Battery Type	Upon loss of power supply to card, the hardware clock runs independently using the on-board quartz oscillator. Almanac data remains stored in battery-backed RAM Life time of lithium battery min. 10 years
Operating Voltage	GPS/DHS: 20 - 60 V DC GPS/DAHS: 100 - 240 V DC, 100 - 240 V AC
Firmware	Flash-EPROM, bootstrap loader
Physical Dimensions	125 mm x 190 (208) mm x 105 mm (W x D x H) for 35mm DIN mounting rail
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	Three-year warranty
Options	- second independant interface as RS-232 or RS-485 - PPS with TTL level into 50 Ohm - PPS as fiber optic output - 10 MHz with TTL level into 50 Ohm - oscillator: TCXO, OCXO-SQ up to OCXO-HQ, specifications look at [2]oscillator options

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.: [3]Contact us

Links:

[1] https://www.meinbergglobal.com/english/products/gps-antenna-converter.htm
[2] https://www.meinbergglobal.com/english/specs/gpsopt.htm
[3] mailto:info@meinberg.de