



Meinberg Radio Clocks

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GOAL: GPS Optical Antenna Link

GPS Optical Antenna Link

The Meinberg GPS Optical Antenna Link provides a long-distance connection between a Meinberg GPS antenna and a Meinberg GPS receiver using a GI50/125 μ m or GI62.5/125 μ m multimode optical fiber.

Key Features

- large antenna cable distances (up to 2000mtrs. using a continuous FO cable)
- no destructive overvoltage via the antenna cable
- no unintentional monitoring possible via optical fiber

Description

The module GOAL/R is to connect to the receivers antenna input via a patch cable and can be assembled somewhere around. The module GOAL/A is to mount indoor, connected to the Meinberg antenna via a coaxial cable. Both modules are linked to each other via a single GI50/125

Characteristics

Type of antenna	Input for Meinberg GPS antenna (not included), antenna circuit 1000 V DC insulated
Optical Outputs	ST connector for GI 50/125µm or GI 62,5/125µm gradient fibre, Wave length: 1300nm / 850nm, Launchable optical output power: typ. 15µW (into GI 62,5/125µm), Optical input level: min. 3µW
Physical dimensions	GOAL/A: 44mm x 105mm x 165mm (height x width x depth) GOAL/R: 25mm x 25mm x 95mm (height x width x depth)
Electrical connectors	optical ST connector female type-N Power Supply (GOAL/A only)
Power supply	GOAL/A: 100 - 240VAC / 50/60Hz, 100 - 240VDC optional: 18 - 72VDC power consumption: 5W max.
Form Factor	GOAL/A: black eloxadized aluminium housing, with aluminium front and rear panel GOAL/R: aluminium HF housing protection class: IP30
Ambient temperature	-25 ... 65° C
Humidity	Max. 85%
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: [1][Download \(PDF\)](#)

Links:

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