



Meinberg Radio Clocks

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FO40BGT: Fiber Optic Diplexer

The Fiber Optic Diplexer FO40BGT splits one optical 850nm input signal into 40 outputs. For the distribution of signals (IRIG,PPS...) via fiber optic.

FO40BGT is built-up in a 19" modular chassis with included power supply. The diplexer is equipped with optical ST connectors for the input as well as for the outputs. These connectors are suitable for optical GI50/125 μ m or GI62.5/125 μ m multimode gradient fibers. The system is able to spread IRIG Time Codes (DCLS), for example, as well as serial interfaces.

Important Note

This product is no longer available and may have been replaced by a newer product. We will, of course, continue to provide support for units that have already been purchased and are still in use. Please contact our [1][Sales Department](#) for further details.

This product has been discontinued and has been replaced with: [2]

Key Features

- for distances of up to 2000m
- for IRIG Time Codes (DCLS)
- interference immunity of the FO connection

Characteristics

Optical Outputs	40 x 850nm FO output, ST connectors for GI 50/125µm or GI 62,5/125µm gradient fibre Transmission speed: up to 100 kHz Launchable optical output power: typ. 15µW per output (into GI 62,5/125µm)
Optical Inputs	1 x 850nm input, ST connector for GI 50/125µm or GI 62,5/125µm gradient fibre Optical input level: 3µW min.
Electrical Connectors	Power Cord Receptacle
Operating Voltage	85-265VAC (50/60Hz) / 105-300VDC
Physical Dimensions	485mm x 132mm x 290mm
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
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] <mailto:sales@meinberg.de>

[2] <https://www.meinbergglobal.com/english/products/sdu-fo.htm>

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