

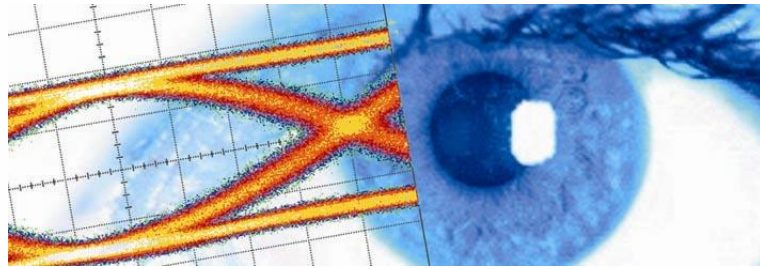


## SHF Communication Technologies AG

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# Datasheet SHF 10001 B Mainframe





## Description

The SHF 10001 B is a mainframe unit to be used in conjunction with SHF plug-in modules. A wide range of available plug-in modules allow configuring modular and scalable measurement systems for various applications, which fit exactly to the customer's requirement.

Depending on the configuration one full-width plug-ins (such as pattern generators or error analyzers) and up to four half-width plug-ins including internal clock source, clock recovery module, optical transmitter, optical receiver, electrical delay lines and user specific functions can be installed in this mainframe.

The mainframe is controlled over a standard Ethernet connection by an external computer which can be ordered as an option. Every system comes along with an easy to use software package providing not only a user friendly interface for changing the operating parameters and a powerful measurement utility but also the capabilities of feature enhancement through firmware & software upgrades.

To support the DC supply of external components such as amplifier frequency doublers etc, the mainframe has a DC power outlet with various voltages.

## Features

- Basic part for configuring scalable and modular measurement systems
- Windows Style Bert Control Center software package
- Computer controlled operation over the Ethernet which also enables remote access
- Feature enhancement through firmware & software upgrades
- User programmable
- Field installation of half-width modules
- Easily upgradeable

## Options

Add NB – With notebook computer and preinstalled Bert Control Center (BCC) software package



## Specifications – SHF 10001 B

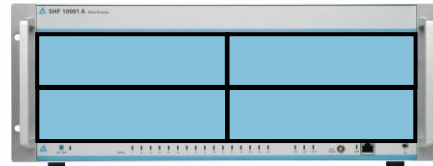
Parameter	Unit	Min.	Typ.	Max.	Conditions
Power Supply	V	100 210	110 230	135 240	50...60 Hz
Power Consumption	W			41 400 600	Mainframe alone Max Configuration 110 V Max Configuration 230 V
Weight	kg			30	Fully equipped
Dimensions (WxDxH)	mm				480x600x190
Operating Temperature	°C	10		35	
Storage Temperature	°C	-20		70	
Network Connector					RJ-45 Ethernet
DC Power Supply Outlet (Lemo EPG.OB.304.HLN)	V		-5 +5 +12		max. 900 mA max. 900 mA max. 900 mA

## Possible Configurations of Mainframe

Please specify the required configuration together with the order

### SHF 10001 B - A

Four field-replaceable half size plug-ins



### SHF 10001 B - C

One full size plug-in  
Two field-replaceable half size plug-ins

