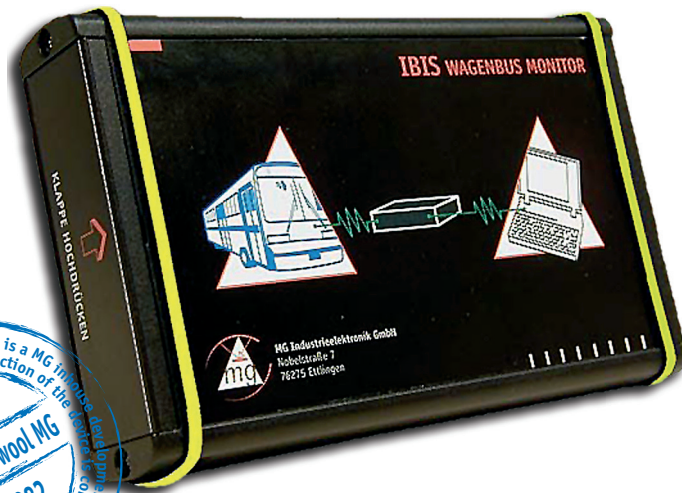









# IWT 2000

## IBIS Carriage Bus Test Device



-  Simulation of Master (on-board computer) and Slave devices
-  Recording of transmission time and response time
-  Display of frame, parity and checksum errors
-  Cable kit for all common IBIS plug connectors
-  User-friendly, intuitive Windows program

## For Telegram Traffic Diagnosis

### Description

Using the IWT 2000 the complete telegram traffic on the IBIS carriage bus can be read (Slave mode), or an active device (e.g. an IBIS on-board computer) can be simulated in transmission mode (Master mode).

In Slave mode the data stream time characteristics are recorded on the carriage bus. Thus, errors and problems in the time characteristics on the carriage bus can be determined. In Master mode an IBIS on-board computer can be simulated and the characteristics of all peripheral devices can be checked.

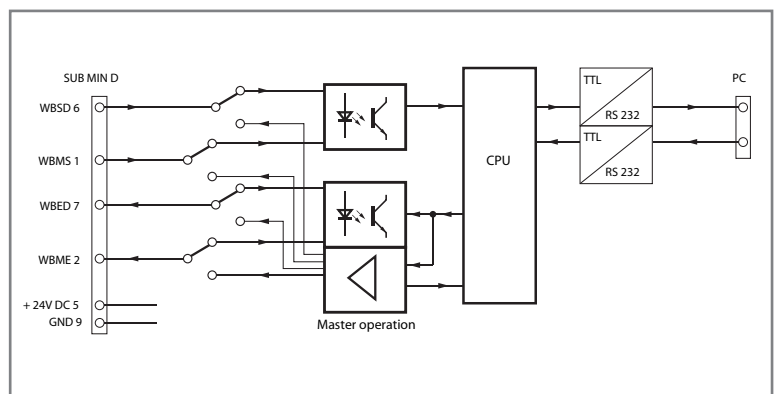
### Functionality

In Slave mode the telegrams are recorded together with the transmission time of the master telegram and the Slave response time.

Frame, parity and checksum errors are indicated as well. This allows detection of faulty states on the bus in 99 % of all cases.

Besides telegram traffic diagnosis, carriage bus devices can be simulated as well. This does not only apply to Slave devices, but to the IBIS Master device as well (on-board computer).

This way all devices can be tested individually as well as in interaction.



IWT 2000 Functional overview

Using adjustable sampling times of call telegrams and response times of the slave telegrams, critical timing problems can be found.

Recorded telegrams can be printed, saved and loaded.





### Interfaces



### Functional overview

- IBIS Slaves and IBIS Master simulation
- In Slave mode the IWT 2000 is directly supplied from the carriage bus
- Overcurrent shutdown for short circuits on the IBIS bus (Master mode)
- Parity monitoring
- Stop bit monitoring
- Failure monitoring
- Response time measurement
- Automatic answer to Master telegrams (Slave mode)
- Reception timeout, configurable

PC connection (USB)

Indicators for power supply, data stream and error

SUB D connection for IBIS carriage bus and power supply

### Technical data

**Article description:** IWT 2000

**Rated voltage:** 24 V DC

**Operating voltage:** 17 V ... 32 V DC

**Current consumption:** Slave mode: approx. 50 mA  
Master mode: max. 1,2 A

**Temperature:** Operation -30 °C ... +70 °C  
Storage -30 °C ... +80 °C

**Interfaces:** IBIS Carriage Bus according to VDV300 USB 2.0

**PC Operating system:** Runs under Win9x, WinNT4.0, Win200x, WinXP, Windows 7 (32- and 64-Bit), Windows 10

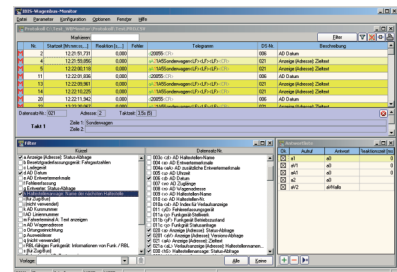
**Degree of protection:** IP 54

**MTBF:** 120 000 h

**Dimensions:** W170 x H35 x D110 mm

**Weight:** 410 g

### PC Program



The well-arranged menu-guided user interface of the provided PC program enables intuitive and easy operation.

WE  
MOVE YOU  
AHEAD

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