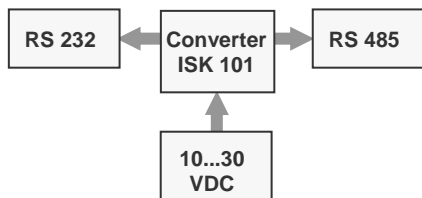


ISK 101



The e.bloxx series is designed for industrial and experimental test systems requiring precise high speed measurement of electrical, thermal, and mechanical quantities in engine and component test beds.

All units are based on a clean modular design, and easily connect to the wide variety of field devices used in today's test beds. Sample rates up to 5000 Hz and resolutions up to 19 bit are possible depending on the module and signal type used. Standardized communication protocols (Profibus-DP, and Modbus-RTU) allow the e.bloxx family to work with a wide variety of application hardware and software.

With the addition of a Test Controller the data throughput and connectivity options increase dramatically. The controller are data concentrator, communication gateway, and optional programmable automation controller with 100 Mbps Ethernet, Profibus-DP, EtherCAT, or USB ports.

Converter between PC and measurement modules

RS-232 to RS-485

Very compact

Standard DB09 plug

Automatic detection of the baud rate

Baud rate up to 38,400 Baud

Automatic direction detection

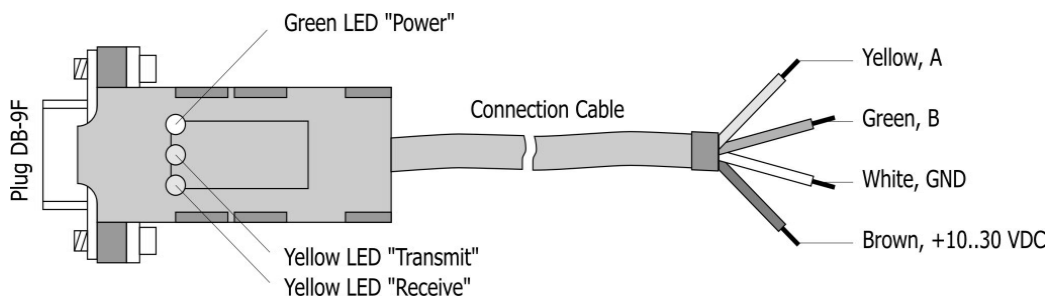
No Handshake necessary

LED-Status display

Power, receive and transmit

Order Information:

Product	Article No.
ISK 101	689326



ISK 101 Technical Data

Interfaces

Baud rate	max. 115200 Bit/s automatic detection
RS 232-C	
Type	according to EIA Standard RS-232 C
Connection	cable with 9 pin D-Sub plug
RS 485	
Type	according to Proposal No. 1488 and subcommittee TR-30.1
Connection	cable at ISK 101 with free ends
Kabellänge	1,5 m

Power Supply

Supply voltage	10 to 30 VDC
Current	typ. 20 mA max. 50 mA
Connection	RS 485 interface cable

Warning

For downloading firmware into the modules we strongly recommend the use of the converter ISK 200

Mechanical

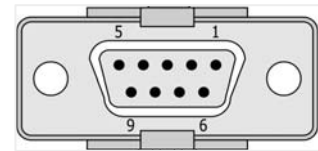
Plug housing	Standard DB09
Material	Plastics
Dimensions (L x W x H)	53 x 32 x 16.5 mm (2.08 x 1.26 x 0.64 in)
Weight	approx. 74 g (0.16 lb)
Protection system	IP40

Environmental

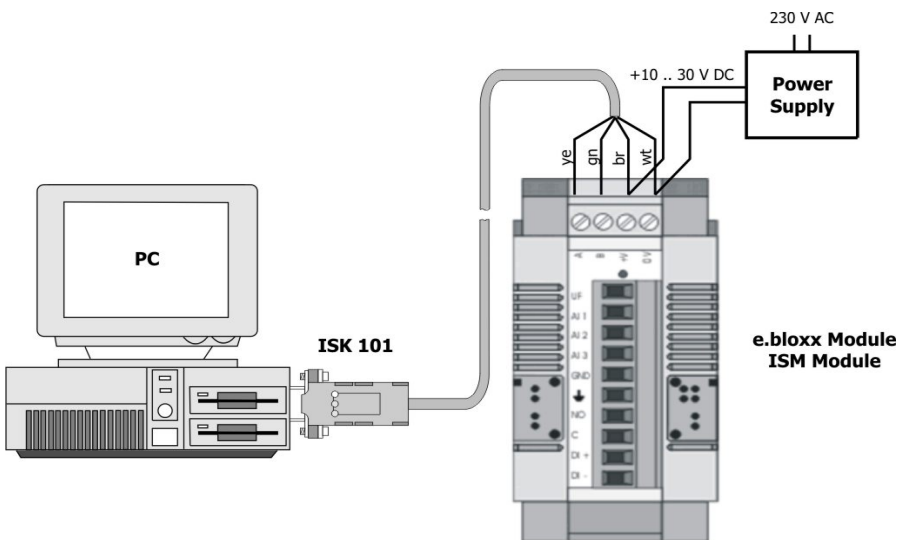
Operating temperature	-20 °C to +60 °C
Storage temperature	-30 °C to +85 °C
Relative humidity	5 % to 95 % at 50 °C non condensing

Pin connection RS 232

plug	description
1	-
2	TXD
3	RXD
4	DSR
5	GND
6	DTR
7	CTS
8	RTS
9	-



Connection of ISK 101 converter



Valid from October 2006. Specification subject to change without notice.
DB_ISK101_E_11.doc