



BEST converter

Galvanically isolated USB to RS485 converter

Interface converter

The BEST converter is a USB to RS485 converter with galvanically isolation between the PC and the RS485 connection. This secures the computer against damages due to potential high voltages.

The BEST converter is used for BEST – BITZER Electronic Service Tool but can also be used by LMT and other PC communication tools.



Communication with frequency converters used by BITZER

Together with the BEST converter are also a USB A-B cable and communication cables for three different frequency converters used by BITZER for their F1 and F3 type VARISPEED compressors and the CSVH screw compressor with integrated frequency converter.

Easy installation

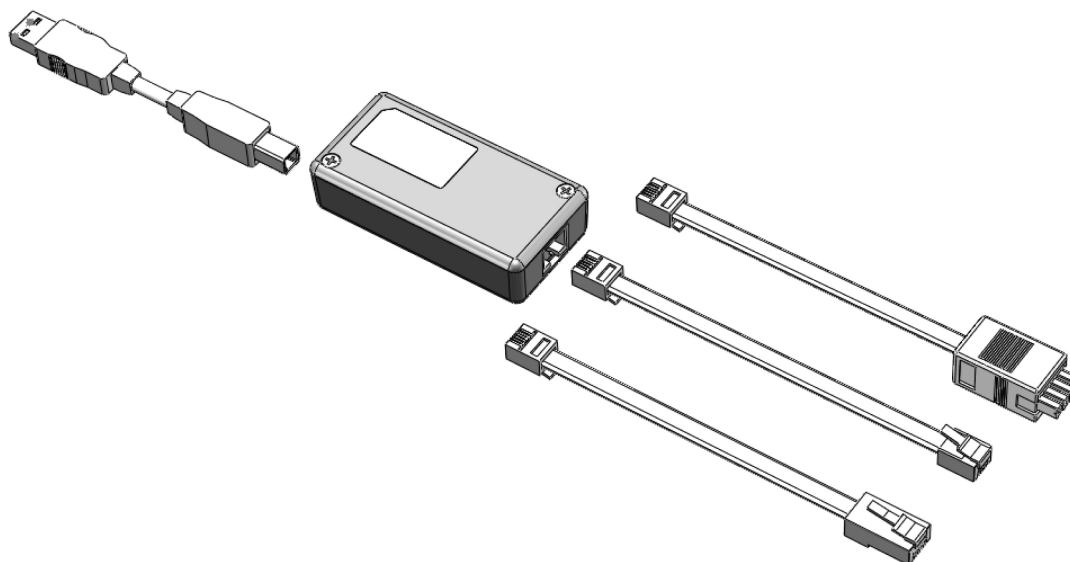
The BEST converter is easy installed on a computer running Windows® XP or higher as it Windows will automatically install the correct driver provided the computer has internet access.

The BEST converter will be installed as “USB Serial Port” and with an automatically assigned com port number.

Self-powering the controller of the frequency converter

The BEST converter can supply the communication part of the frequency converters with power and thus eliminating the need to supply the entire unit with power when doing a service update or service check.

Schematic of the BEST converter



Technical specifications

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Supply	Via USB port
Supply for controllers	12 VDC, 200 mA
Permitted ambient temperature	Operation: 0 °C – +50 °C Storage: 0 °C – +60 °C
Relative humidity	Max. 90 %, non-condensing
USB cable	A-B USB cable; length 2m
Interface cables	
Lodam frequency converter	RJ12; length 0.5 m
F1 type VARISPEED	4-pin connector; length 0.5m
F3 type VARISPEED	RJ45; length 0.5m
Enclosure class	IP00