

## EMP 1100

### Communication Processor

Microprocessor-controlled interface module for data interchange between the FRAKO Starkstrombus® and PLCs, PCs, centralized instrumentation and control and building management systems (BMS).

#### // Description

- Data from any device connected to the FRAKO Starkstrombus® can be transmitted to external systems
- Serial interface A (standardized): 3964R protocol, RK512 interpreter
- Serial interface B: access via PC
- Programming and parameterizing software included in scope of supply
- Three LEDs indicate operation, access to the FRAKO Starkstrombus® and access to one of the serial interfaces
- Current data from up to 100 devices of any type connected to the FRAKO Starkstrombus® are saved in a maximum of 100 data blocks. The cycle time for data polling is adjustable

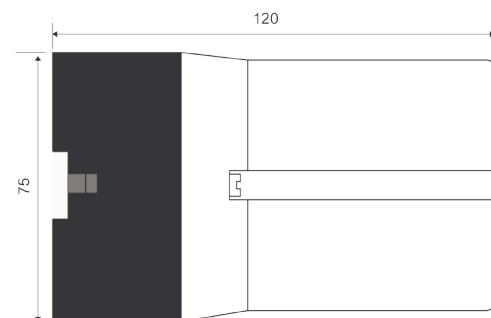
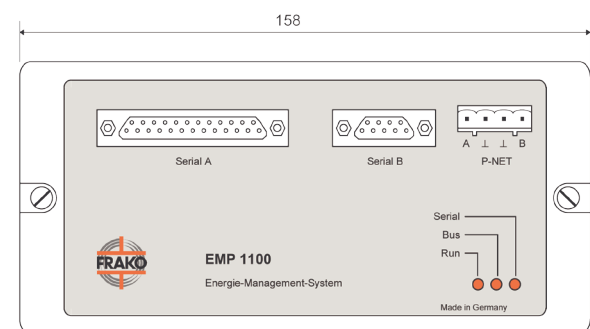
## // Technical Data

Power supply	
Mains voltage	230 V AC +/-10 %
Frequency	50 up to 60 Hz
Power consumption	Max. 3 VA
Fuse protection	Max. 2 A external prescribed
Interfaces	
Serial Interface A	25 pole Sub-D connector (female), RS-232, framework protocol 3964R, data protocol RK 512
Serial interface B	9 pole Sub-D connector (female), RS-232, for connection to a PC
FRAKO Starkstrombus®	For connection to the FRAKO Energy Management System, according to EN 50170 (P-Net) standardized fieldbus, RS-485 Transfer rate: 76.8 kbit/s
Display elements	3 LEDs
Connections	Via plug-in connector blocks within housing
Mechanical construction	
Dimensions	158 x 75 x 120 mm (W x H x D)
Ingress Protection	IP50
Version	Protection class I according to VDE 0411 / EN 61010
Housing	Flammability to UL94-V0 (according to description of housing manufacturer)
Installation	Screw mounting or standard rail 35 mm according to DIN EN 50022
Mounting position	Optional
Weight	Approx. 0.8 kg
Operating conditions	
Ambient temperature	0 °C up to +40 °C
PC requirements for the software package	
Hardware	<ul style="list-style-type: none"> <li>● Pentium min. 1 GHz clock frequency</li> <li>● Main memory min. 512 MB RAM</li> <li>● 10 MB free hard drive space</li> <li>● Ethernet 10/100 MB network connection or/and one free serial interface</li> <li>● CD-ROM drive</li> <li>● SVGA graphics adapter</li> <li>● Colour screen with minimum resolution of 1024 x 768</li> </ul>
Software	<ul style="list-style-type: none"> <li>● Microsoft® Windows®* 2000 pro (SP3 or higher)</li> <li>● Microsoft® Windows®* XP pro (SP1 or higher)</li> <li>● Microsoft® Windows®* 2003 Server (SP1 or higher)</li> <li>● Microsoft® Internet Explorer 5.5</li> </ul> <p>* Registered trademark of Microsoft Corporation</p>
Article-No.	20-10202

## // Optional Accessories

Article-No.	Type	Description
29-20064	EM-PC-Modem	Phone modem for data transmission (serial interface) between PC and EMIS® 1500, EML and EMP. Connection to the telephone network via analog connector

## // Dimensions



Dimensional drawing EMP 1100

All dimensions in mm