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Remarks on terminology

The types of displays listed below are utilized for specific types of information:

- Menu item* refers to a single menu item.
- <Key> refers to a key on the keyboard
- [Text] refers to a switching area within a monitor window.

Application and description

The program has been designed for the parameterization of intelligent power transducer.

With the program it is possible to create parameterizations and store them on hard disks, even without having a device connected. The parameterization can be downloaded from the the hard disk into a device at any time.

With the program it is possible to print out parameterization data and rating plates for the transducer.

The program also has an on-line mode in which the measured variables can be displayed on the PC monitor as analog and digital indicators.

This Abridged Manual provides only information about "Installation", "How to establish a connection", "Creating parameterizations with a device connected" and "Creating parameterizations without a device connected" and "Passwords".

More detailed information can be found in the on-line help.

Installation and start off

1. System requirements

PC	IBM-PC and 100 % compatible PCs with 80486 oder Pentium processor	Hard disk	min. 3 MByte free disk space
Operating System	MS-DOS 6 or higher with MS-Windows 3.1x or MS-Windows 95	Floppy operation	not possible
Memory	min. 4 MByte RAM, 8 MByte recommended	Graphics card	at least VGA
		Mouse	obligatory
		Interface	serial RS-232, preferably with UART 16550 (FIFO)

2. Installation

Windows 3.1x

1. Start up Windows.
2. Insert program disk 1 of 2 into the floppy drive.
3. In the Program Manager select *File* → *Execute*, type "a:\setup" (or "b:\setup") and acknowledge with [OK].

The setup program is started.

4. Select the required target directory and acknowledge with a click of the mouse.

The program is installed in the target directory.

The program group is created.

Windows 95

1. Start up Windows 95.
2. Insert program disk 1 of 2 into the floppy drive.
3. In the task bar select [Start], in the next window select *Execute* and type "a:\setup" (or "b:\setup").

The setup program is started.

4. Select the required target directory and acknowledge with a click of the mouse.

Notice

The program cannot handle long directory names.

The program is installed in the target directory.

The program group is stored in the start menu.

2. Start off

Double click the program icon in the program group. The program is started.

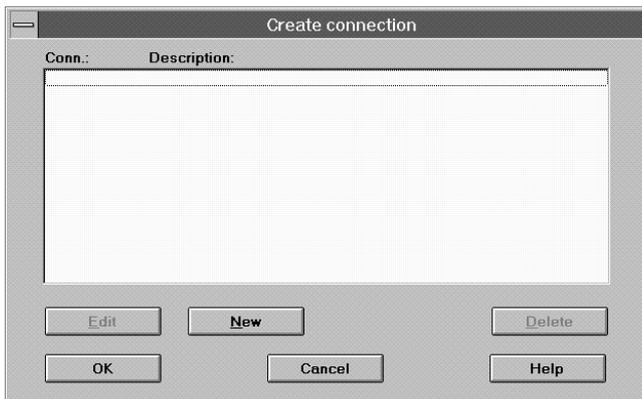
Establishing the device connection

Before communication with the device is possible, the type of the particular connection has to be defined.

The device can either be parameterized via standard serial RS-232/LKS interface or via the optional RS-485 interface. Furthermore, a remote parameterization via modem is possible (requires additional hardware).

Before a device can be parameterized via the RS-485 interface or via modem, the communication data (baud rate, address, protocol) must be transmitted via the RS-232/LKS interface to the unit:

Preparing the connection



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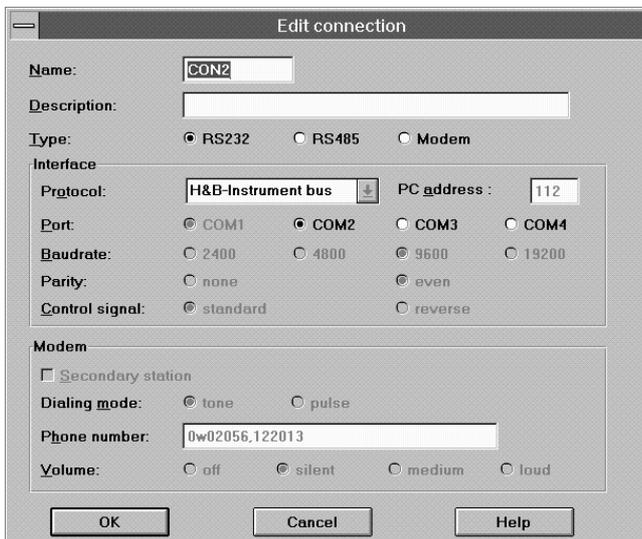
1. Select *Options* → *Setup*.

If the program has been newly installed, the window does not contain any connections yet.

2. Select [New].

If this menu is called up at a later date, the previously defined connections will be displayed in this window. An existing connection can be modified with [Edit].

Edit connection



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1. Select *Options* → *Setup*.
2. Select [Edit].

Short name

of the connection with a maximum of 8 characters (suggestion: CONx with x as consecutive number).

After stating the other data, a new directory with this name will be created under the installation directory. If this connection is active, the associated parameterization files will be stored in this subdirectory.

Notice

Under *Options* → *Setup* a different directory can be provided as basic directory.

Description

of the connection. This text will also be displayed in the “Select connection” window. (Examples: “LKS adapter on COM 1” or “RS-485 connection on COM 3, MODBUS” or “Trafo station 4, Frankfurt (via modem)”).

Type

RS 232

Point-to-point connection, communication via RS-232 interface of the PC with LKS adapter to the unit.

RS 485

Bus connection that enables up to 31 devices to communicate. The device has to be equipped with the (RS-485) bus interface (option) and a suitable interface card or interface converter RS-232 / RS-485 must be available on the PC side.

Modem

Communication via telephone network. The device has to be equipped with the (RS-485) bus interface (option). Additional hardware is required for modem operation.

Interface:

Protocol

which can be selected (except for RS-232 connection) (for example MODBUS RTU).

PC address

not necessarily to be altered. Take care that no device connected to this connection uses the same address.

Port

to which the device is connected. Interfaces provided in the PC (COM 1 ... COM 44) are automatically recognized and displayed.

Baudrate

sets the baudrate (except for RS-232 connection). It must correspond to the baud rate set in the device.

Control signal

for communication via RS-485. Depending on the interface components used on the PC side, the control signals for changing over from transmission to reception must be addressed in different ways.

Modem:

Dial mode

selects between pulse or tone dialing.

Telephone number

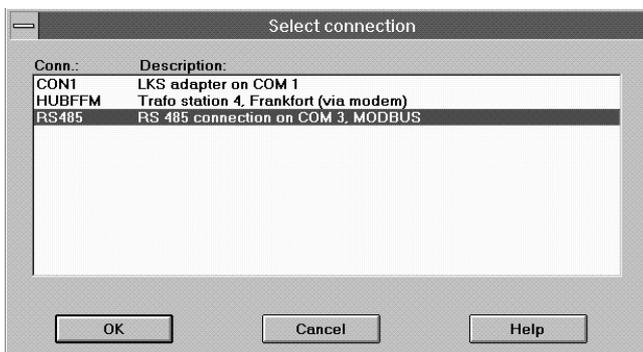
of the remote station.

Volume

of the loudspeaker during dialing.

After having entered all data, save the connection with [OK].

Establish connection



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1. Select *Connection* → *Select connection*.

A list of all connections defined is displayed.

2. Select the desired connection and acknowledge with [OK].
3. Select *Connection* → *Establish connection*.

In case of RS-232 connection the device will respond with its technical data if it is properly connected.

In case of an RS 485 connection, the interface is scanned for devices connected to it upon first call-up. Any devices discovered are then listed in a window with their device address and tag no. The required device can then be selected. On subsequent call ups of this connection, only the previously listed devices will be checked in order to find out whether they are still available. Should one or several devices be missing, an error message will be displayed. If more units have been connected to this line, select menu item *Scan* in order to identify the new devices. The selected device can now be parameterized.

In case of connection via modem, the stored telephone number will be dialed and the phone connection established. After that the procedure to follow is the same as for RS485 connections.

Creating a parameterization with a device connected

1. Establish connection to device.
2. Select *File > Load from device*.

The device specifications and its serial number are loaded.

3. Select *Edit > Input*.

For support when filling out the following parameter masks, the help function can be called up with [Help].

Creating a parameterization with a device connected

1. Select *File> New*.
2. Select *Edit > Device Specification*.

The data entered here must be compatible with those of the unit into which the parameters will be loaded later. If not, an error message will occur when trying to load the incompatible parameterization into the device.

3. Select *Edit > Input*.

For support when filling out the following parameter masks, the help function can be called up with [Help].

Passwords

The program provides two access modes:

- Maintenance (mode) or
- Expert mode.

Users with the „Maintenance“ access have limited possibilities. They can read the parameter data of the unit, they can create new parameterizations and save them to the hard disk, they can call up the on-line display of the measured values. With this access it is not possible to alter the parameters of a device or to load new parameters into a device.

After completing the installation, both passwords are „empty“, i.e. the passwords are not requested on starting the program. The expert mode is automatically assumed.

Changing passwords

1. Select *Options > Change Password*.
2. Enter the old password (no input is required for newly installed software).

3. Input the new password twice in the fields provided.

The passwords are stored in coded form. Should a password be forgotten, the program must be reinstalled. The passwords are then reset.

Subject to technical changes.

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