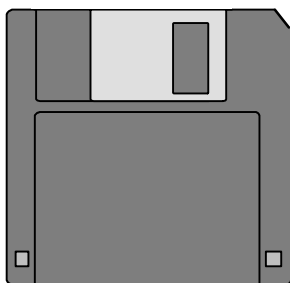
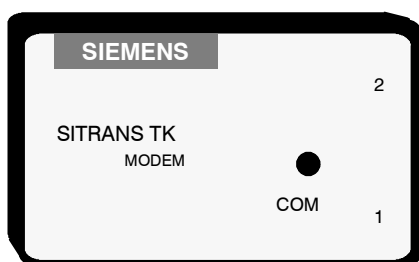


SIEMENS

Modem for SITRANS TK

7NG3190-6KB

Instruction Manual ☐



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1 Introduction

SITRANS TK modem is used for programming the transmitter SITRANS TK from Siemens.

This instruction manual concerns loading of the Windows software including help menus and connection of the SITRANS TK modem between the PC and the SITRANS TK. The software SIPROM TK must be ordered separately (Order-No. 7NG3190-8KB)

2 SITRANS TK modem set

The modem set, Type no. 7NG3190-6KB comprises:

- Interface unit incl. RS232C cable
- Plug for connecting the 9 V battery
- Wire with test plugs
- This instruction manual

The SITRANS TK modem and the software SIPROM TK can be used to configure headmounted temperature transmitter SITRANS TK. Programming is done 100 % under Windows. The interface has two-way communication to the product, meaning that the product identification data can be read into the program.

SIPROM TK is able to save (and retrieve) a configuration file on the hard disk, e.g. for repeated configuration of several products of the same type.

2.1 PC requirements

SITRANS TK modem can be connected to an IBM compatible PC with the following minimum configuration:

- 80486 processor with Windows 3.1, Windows 3.11 or Windows 95
- 5 MB free hard disk space,
- 3,5" floppy drive,
- 1 free serial port and
- 4 MB RAM (recommended: 8 MB)

The message "OUT of MEMORY" will be given if less than 4 MB RAM is installed.

2.2 Connecting the equipment

PC, modem and SITRANS TK can be connected as shown on figure 1.

The SITRANS TK can be programmed, using the 4 to 20 mA cable. The maximum distance depends on the cable type, resistance and capacity. We recommend to use screened cables.

2.3 Loading the program

The program SIPROM TK is loaded in the normal way for Windows programs:

- Start Windows File Manager or Windows 95 Explorer
- Select drive A:\ and double-click with the mouse on the file SETUPEXE.
- The program will suggest C:\SIWIN... as the installation directory.
- Type another drive/path if required.

Hereafter no intervention by the operator is required during the installation sequence.



WARNING

Siemens will take no responsibility for any damages caused by VIRUS. During the loading of the program precaution against computer-virus should be taken. The diskette contains about 100 files and the installation can take about 10 minutes if VIRUS check is run, dependent on the machine type. Without VIRUS check the installation will take 1 or 2 minutes.

2.4 Running the program

After loading the software, a group called Siemens Process Instruments is created. When selecting this and the icon SIPROM TK, the welcome picture will appear.

Selection of language can be made in the menu OPTIONS/LANGUAGE.

The number of the COM-port to which the modem is connected can be selected in the COM-port menu.



WARNING

When inserted, the battery plug will disconnect the internal power supply. Do not connect the battery plug to the SITRANS TK modem without a battery connected.

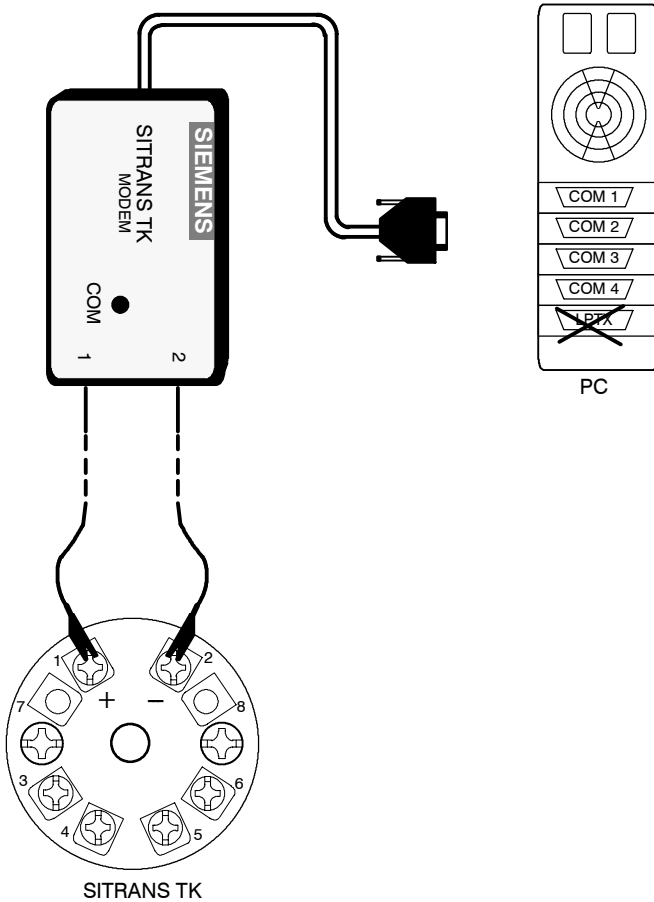


Figure 1

The input and output data can be edited under the EDIT function.

There are three options in the menu SEND/RECEIVE:

SEND

The edited data are transmitted to the SITRANS TK.

RECEIVE

In order to avoid misprogramming, data saved in the SITRANS TK will be read, e.g. the TAG no., identifying the product. The received data can be edited and programmed again.

RECEIVE VALUE This feature displays the received input data. On two "indicating instruments" the input data are shown, e.g. the temperature and the corresponding output current.

2.5 Programming the SITRANS TK

During the programming the new data are, by means of the SITRANS TK modem, transferred from the PC to the SITRANS TK, where they are stored in the internal memory.

The LED on the SITRANS TK modem is flashing during the programming sequence, about 1 flash per second.

2.6 Correct programming

During SEND/RECEIVE the indications of a correct programming, until the program responds with O.K., is:

The LED on the SITRANS TK will flash only once.

2.7 General ERROR possibilities

- a) The PC gives insufficient supply voltage to the SITRANS TK modem. Using the battery plug included in the modem set the SITRANS TK modem must then be supplied from a 9 V battery. (Consumption approx. 6 mA during the programming).
- b) A wrong COM-port has been selected in the program.
- c) The SITRANS TK modem is connected to a wrong port, e.g. LPT1.
- d) The cables from the SITRANS TK modem to the SITRANS TK have not been connected correctly.
- e) One or more of the units are defective.

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