






Versatile remote connection of Testo measuring instruments via GSM mobile radio

NEW!



-  Remote alarm by
 - SMS
 - e-mail
 - fax
-  Remote switching by mobile phone
-  Remote access by PC and modem

With the Testo alarm modem (GSM), the following Testo measuring instruments can be extended by the function „Remote Connection“:

Data loggers:

testo 175 und 177 series



°C, %RH, U/I, 0/1
max. 4 channel

Reference class:

testo 400/650/950



°C, %RH, td, hPa, m/s, ppm CO/CO₂, U/min, U/I
2 universal channels

Measurement system:

testo 454 with control unit



°C, %RH, td, hPa, m/s, ppm CO/CO₂, U/min, U/I
max. 20 universal channels, i.e. 5 logger boxes with 4 channels each

Operating information:

The Testo measuring instrument is securely connected to the Testo alarm modem GSM via the serial interface. Communication and triggering of alarms to a mobile phone/PC/fax take place via the Testo alarm modem, which uses the GSM mobile phone network for transmission. The Testo alarm modem is configured via the separate software **Alarm-Editor**. It must be equipped with a SIM card and supplied via 10-30 VDC or 230 VAC. For the mobile phone network, we recommend contract SIM cards (pre-paid cards are less suitable) which also allow e-mails to be sent, such as Vodafone in Germany.

The advantages of remote communication with the Testo alarm modem:

- Existing measuring instruments can be upgraded
- Connection to GSM as the worldwide standard available almost everywhere (modem available for GSM network 900/1800MHz, i.e. Europe and other countries)
- Independent location: neither a PC or a network are required on site, only current supply and GSM network are necessary
- Alarms can be configured flexibly (destination addresses, triggers,...)

Examples of applications:


- Remote monitoring of refrigerated rooms, museums, churches, refrigeration systems, air conditioning systems.
- Monitoring drying sequences after water damage
- Monitoring the drying of buildings

The main functions in detail:


A

Alarm report by

- SMS
- e-mail
- fax




GSM




B


Measurement data call-up via SMS



Testo measuring instrument



Initial parameterization via the serial interface




Testo alarm modem

additionally required:
SIM card
10-30 VDC, max. 0.7 A

C

Remote access to the measuring instrument and alarm modem



The control of the Testo alarm modem

The control is carried out with the software **Testo Alarm-Editor**. The initial parameterization is made with a cable via the serial interface. Changes can be made via the GSM connection

A Remote alarm

Alarms are sent automatically from the Testo alarm modem by SMS/e-mail/fax. Alarm triggers can be: Limit value exceedances of readings, low battery charge in the measuring instrument etc.

B Remote switching by mobile phone

An event can be triggered in the Testo alarm modem by SMS, e.g. the transmission of an SMS with current measurement values/modem status to a pre-defined mobile phone number, reset of the internal alarm in the data logger or acknowledgement of an alarm (at a pre-defined alarm cascade).

C Remote access with PC and modem

Remote readout and configuration of the Testo measuring instrument from a PC with a Hayes-compatible modem. To do this, a bridge to the Testo alarm modem is set up by mobile phone connection, and the measuring instrument operated by Testo measuring instrument software ComSoft, providing a GSM connection exists.

Ordering data

Article	Part no.
Alarm modem GSM (without Testo measuring instrument and the necessary RS232 adapter)	0554 0522
Software Testo Alarm-Editor Professional AK20 (CD incl. instruction manual) for measuring instruments of the types testo 175/177/400/650/950/454 Full range of functions A/B/C (as described above)	0554 0519
Software Testo Alarm-Editor Basic AK4 (CD incl. instruction manual) for measuring instruments of the types testo 175/177/400/650/950 Limited range of functions: Function A: Reports not individually programmable, reports only by SMS, limited configuration of alarms Function B: Not possible Function C: Possible	0554 0518
Stick aerial , for screwing onto GSM modem, can be bent two ways	0554 0523
Magnetic foot aerial with 3 m of cable	0554 0524
DIN rail mains unit	0554 1749
Plug mains unit	0554 1142
Serial interface cable (RS232) for initial parameterization of the alarm modem	0449 0051