

Application

Uniform interface for configuration and operation of various smart SAMSON devices

TROVIS-VIEW provides a uniform user interface that allows users to configure and parameterize various SAMSON devices using device-specific database modules. All smart SAMSON devices are listed in Table 2.

Data are transmitted between the TROVIS-VIEW software and the SAMSON device either directly (e.g. using a connecting cable or infrared adapter. Refer also to Table 2) or indirectly using a memory pen or memory module.

A direct connection enables both online and offline operation. This means that data can be changed in the device immediately, or they can be saved on the PC first and downloaded later to the device on site.

The device-specific modules contain a database that provides the characteristic properties of each device type, such as parameters, data points, user levels etc.

The various user levels can be password-protected.

The available modules are constantly adapted to the new firmware versions of devices. New modules are also being constantly added.



The image displays the TROVIS-VIEW software interface and various SAMSON hardware components. The top left features the text "TROVIS-VIEW" in a large, bold, sans-serif font. To the right is the SAMSON logo. Below these are several images of SAMSON devices: a beige wall-mounted unit, a digital display unit showing "4.26" and "69.8", a green circular gauge, a white digital display showing "20.5 °C", and a black camera-like device. On the right side, there is a logo for "TROVIS Elektronik von SAMSON" and a "GROUP" logo at the bottom right. The bottom of the image shows a close-up of a hand pointing at a laptop keyboard.

Learning to operate TROVIS-VIEW is easy, as it uses the look and feel of Windows® Explorer. It includes features such as:

- Tree structure
- List view
- Select
- Context-sensitive menus by clicking the right mouse button
- Open and save

Versions

TROVIS-VIEW 4 launched in 2011 includes all the features of TROVIS-VIEW 3 as well as incorporating new features, such as a find command to search for parameters and folders, creation of a user-defined tree and new Trend-Viewer functions. Not all device modules are currently available for TROVIS-VIEW 4. Device modules already available for TROVIS-VIEW 4 are marked in Table 2.

System requirements for TROVIS-VIEW 4

Hardware requirements (minimum):

- PC with Pentium processor or equivalent (1 GHz or faster), at least 512 MB RAM
- Serial RS-232 interface or USB interface (with USB to RS-232 adapter or USB Converter 3 for TROVIS 5500 Automation System) and suitable hardware depending on the SAMSON device used
- 1 GB hard drive space for x86 and 2 GB hard drive space for x64 of free disk space (includes installation of Microsoft® .NET Framework 4.0)

Software requirements:

- Operating system: Windows® XP SP3, Windows® Vista SP1, Windows® 7, Windows® 8 and 8.1 (only up to Windows® 7 in conjunction with USB drivers for isolated USB interface adapter and SAMSON USB devices) · Administrator rights required to install the software
- Microsoft® .NET Framework 4.0 (client profile)
- PDF reader

System requirements for TROVIS-VIEW 3

Hardware requirements (minimum):

- PC with Pentium processor or equivalent (300 MHz or faster), at least 192 MB RAM
- Serial interface and suitable hardware depending on SAMSON device used
- At least 150 MB available hard drive space additionally, 15 to 30 MB available hard drive space per SAMSON module

Software requirements:

- Operating system: Windows® 2000 (SP2 or higher), Windows® XP, Windows® Vista, Windows® 7 (administrator rights required to install the software)
- Microsoft® .NET Framework Version 2.0 or higher
 - Under Windows® 2000 and XP (without SP2): Microsoft® .NET Framework 2.0
 - Under Windows® XP with SP2: Microsoft® .NET Framework 3.5
- PDF reader

Scope of delivery

The TROVIS-VIEW 3 and TROVIS-VIEW 4 software versions can be downloaded free of charge from our website (► www.samson.de at Services > Software > TROVIS-VIEW). The software can also be supplied on a CD-ROM on request.

- CD-ROM with TROVIS-VIEW 3.60 Type 6661
Var.-ID 2938757
- CD-ROM with TROVIS-VIEW 4 Type 6661
Var.-ID 2938759

Table 1: Accessories (Fig. 1 to Fig. 3)

| Accessories | Order no. |
|--|-----------|
| USB/RS-232 adapter | 8812-2001 |
| USB converter 3 (including USB cable, 8-pin RJ-45 cable and RS-845 connecting cable) | 1400-9377 |
| Hardware package consisting of memory pen-64, modular adapter and connecting cable | 1400-9998 |
| Memory pen-64, RJ-12 connector (1170-3163) | 1400-9753 |
| Modular adapter RJ-12/D-Sub, 9 pin (for memory pen) | 1400-7698 |
| Memory module for TROVIS 5500 Automation System | 1400-9379 |
| Mini module for TROVIS 5500 Automation System | 1400-7436 |
| Connecting cable RJ-12/D-Sub, 9 pin | 1400-7699 |
| Infrared adapter RS-232 | 8864-0900 |
| Fixture for infrared adapter for TROVIS 6493 and TROVIS 6495-2 | 1400-9769 |
| USB cable (mini-B, USB type A) | 8801-7301 |
| Serial interface adapter | 1400-7700 |
| Isolated USB interface adapter (1170-3143) | 1400-9740 |
| FSK modem for HART® communication (TROVIS-VIEW can only use HART® communication with Type 3780 Positioner, not with Types 3730-3, 3730-6 and 3731-3) | |
| – RS-232 EEx (ia) | 8812-0129 |
| – RS-232 (no explosion protection) | 8812-0130 |
| – PCMCIA (no explosion protection) | 8812-0131 |
| – USB (no explosion protection) | 8812-0132 |

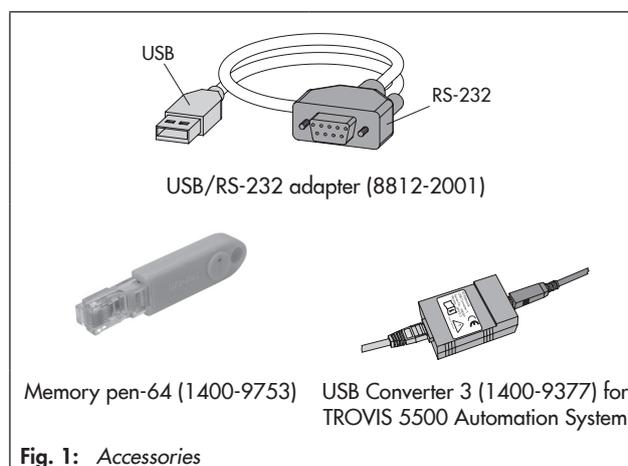
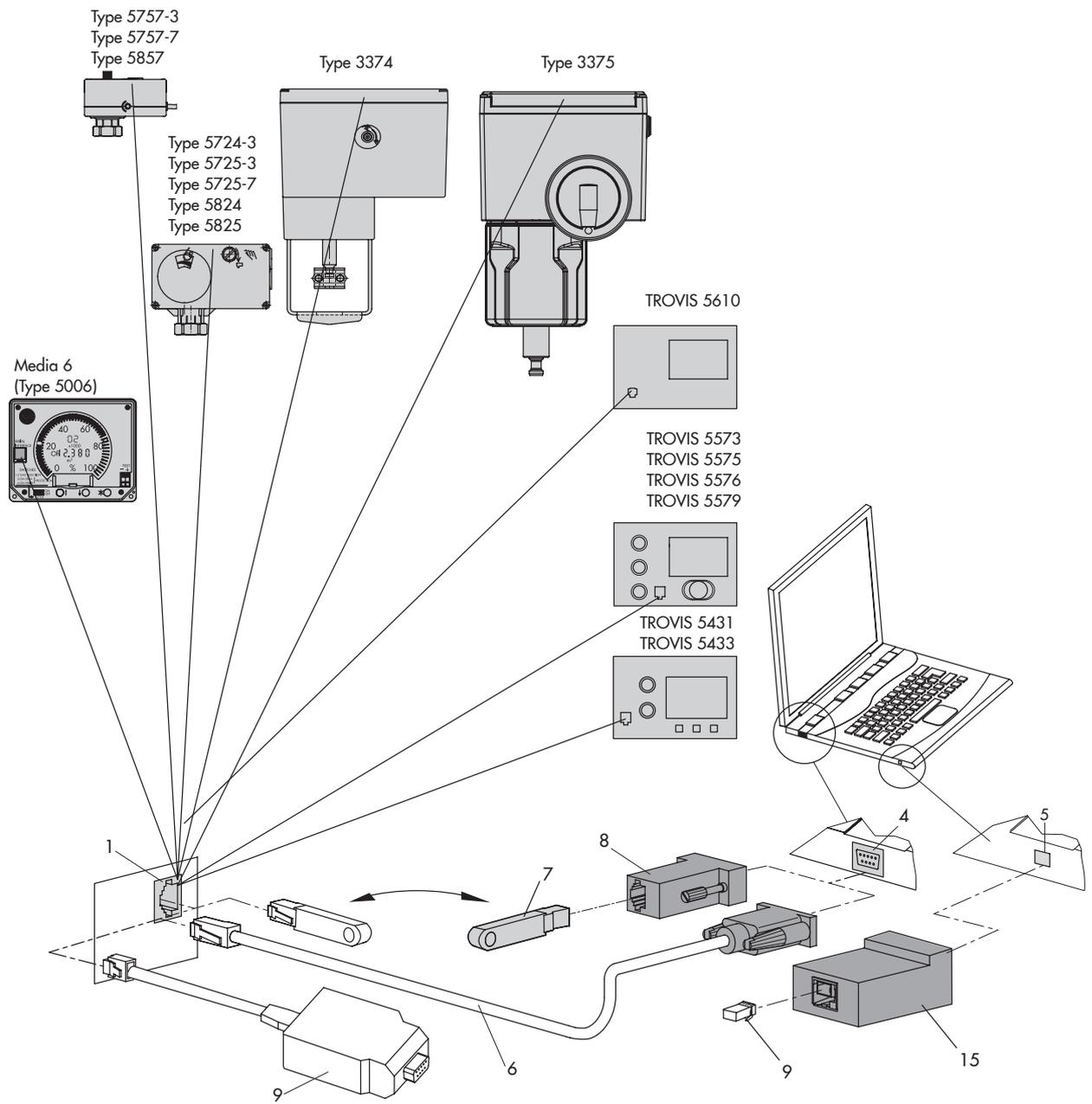


Fig. 1: Accessories



- 1 RJ-12 or RJ-45 connector socket on SAMSON device
- 4 COM port (RS-232) on PC*
- 5 USB port on PC*
- 6 Connecting cable (not for TROVIS 5500)
- 7 Memory pen-64 (not for TROVIS 5500 Automation System)
- 8 Modular adapter
- 9 Memory or mini module (TROVIS 5500 Automation System)
- 15 USB converter 3

Under Windows® 2000, Windows® XP, Windows® Vista and Windows® 7, the connection can be made either using the computer's COM port or the USB/RS-232 adapter (Fig. 1).

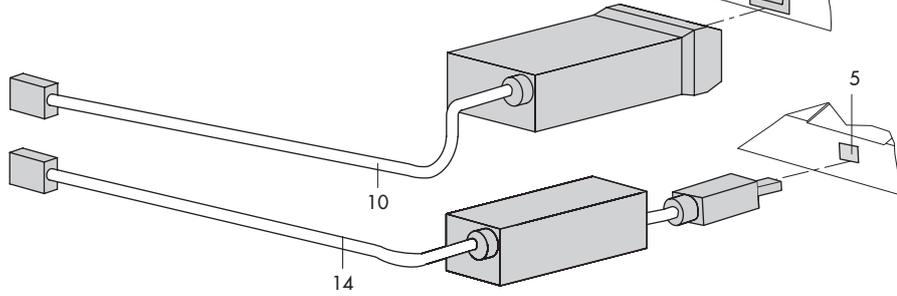
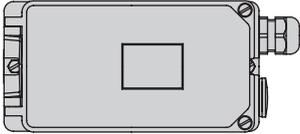
Fig. 2: Data transmission examples

- 1 RJ-12 connector socket on SAMSON device
- 2 Infrared interface on SAMSON device
- 3 USB interface on SAMSON device
- 4 COM port (RS-232) on PC*
- 5 USB port on PC*
- 6 Connecting cable
- 7 Memory pen-64
- 8 Modular adapter
- 10 Serial interface adapter
- 11 FSK modem

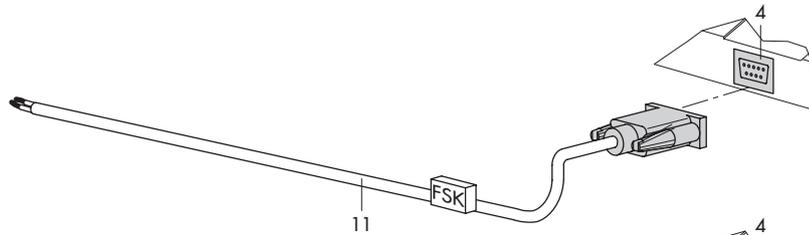
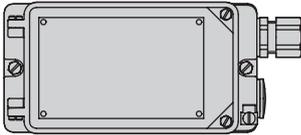
- 12 Infrared adapter (RS-232)
- 13 USB cable (5-pin mini-B/USB type A)
- 14 Isolated USB interface adapter

* Under Windows® 2000, Windows® XP, Windows® Vista and Windows® 7, the connection can be made either using the computer's COM port, the USB/RS-232 adapter (Fig. 1).

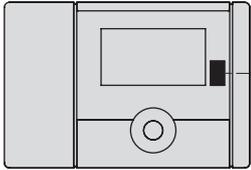
Types 3730-2/-3/-4/-5/-6,
Types 3731-3/-5,
Type 3785, Type 3787,
Types 3738-20, 3738-50



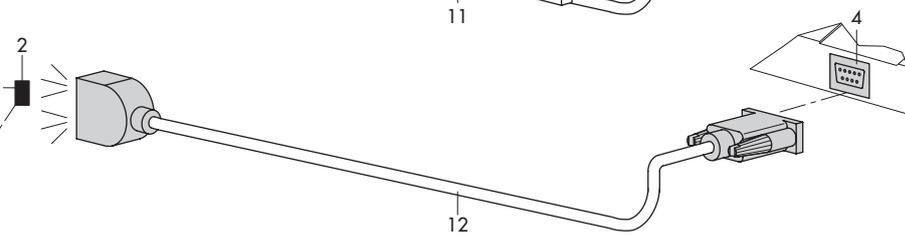
Type 3780



TROVIS 5432



TROVIS 6493



TROVIS 6495-2

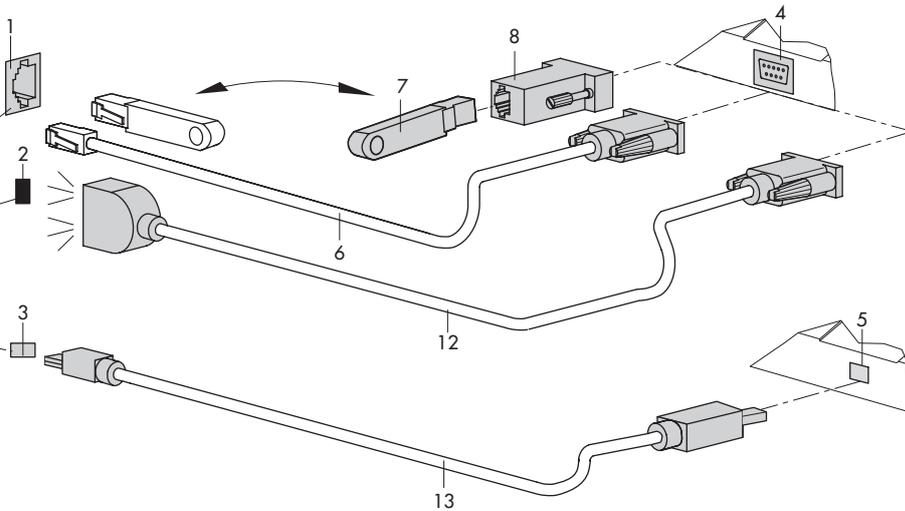
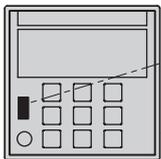


Fig. 3: Data transmission examples

| SAMSON devices | TROVIS-VIEW 4 | TROVIS-VIEW 3 | Data transmission | | | | | | | | | | | | | | | | | |
|--|--------------------------|-------------------|---|-----------------------|--------------------------------------|--|-------------------------------------|-----------------------------|--|-----------------------------------|---------------------------|---|-----------------------------|--|--|--|--|--|--|---|
| | | | Direct | | | | | Indirect | | | | | | | | | | | | |
| | | | Connecting cable, RJ-12/D-Sub (1400-7699) | FSK modem (8812-01xx) | Serial interface adapter (1400-7700) | Isolated USB interface adapter (1400-9740) | Infrared adapter RS-232 (8864-0900) | USB Converter 3 (1400-9377) | USB cable, mini-B - USB type A (8801-7301) | Memory pen (1170-1684) until 2010 | Memory pen-64 (1400-9753) | Memory (1400-9379) or mini module (1400-7436) | Modular adapter (1400-7698) | | | | | | | |
| Electropneumatic Ex d positioners | | | | | | | | | | | | | | | | | | | | |
| Type 3731-3 (HART®) | V 1.30 and higher | V 1.30 to 1.53 | | | • | • | | | | | | | | | | | | | | |
| Type 3731-5 (FOUNDATION™ fieldbus) | R 1.45/K 1.25 | R 1.45/K 1.25 | | | • | • | | | | | | | | | | | | | | |
| Positioners | | | | | | | | | | | | | | | | | | | | |
| Type 3780 (HART®) | – | K 2.11 and higher | | | • | | | | | | | | | | | | | | | |
| Type 3785 (PROFIBUS®-PA) PA device profile 2.0 | – | K 1.60 to 1.99 | | | • | • | | | | | | | | | | | | | | |
| Type 3785 (PROFIBUS®-PA) PA device profile 3.0 | – | K 2.00 and higher | | | • | • | | | | | | | | | | | | | | |
| Type 3787 (FOUNDATION™ fieldbus) | – | K1.10 and higher | | | • | • | | | | | | | | | | | | | | |
| Electronic limit switch | | | | | | | | | | | | | | | | | | | | |
| Type 3738-20 | V 1.00 and higher | V 1.00 to 1.01 | | | • | • | | | | | | | | | | | | | | |
| Type 3738-50 (FOUNDATION™ fieldbus) | A 1.00/K 1.00 and higher | – | | | • | • | | | | | | | | | | | | | | |
| Electric actuators with positioners | | | | | | | | | | | | | | | | | | | | |
| Type 3374, rev. 1 (without display) | – | V 1.00 to 1.39 | • | | | | | | | | | • | • | | | | | | | • |
| Type 3374, rev. 2 (with display) | V 2.00 and higher | – | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Type 3375, rev. 3 (with display) | V 3.00 and higher | – | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Type 5824/5825 | V 1.03 and higher | V 1.03 to 1.09 | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Type 5857 | V 1.02 and higher | V 1.02 to 1.09 | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Electric actuators with process controllers | | | | | | | | | | | | | | | | | | | | |
| Type 5724-8 (communication over Bluetooth®) | V 1.10 and higher | – | | | | | | | | | | | | | | | | | | |
| Type 5757-3, Type 5724-3/5725-3 | – | V 1.00 to 2.19 | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Type 5757-7, Type 5725-7 | – | V 1.00 to 2.09 | • | | | | | | | | | • ²⁾ | • | | | | | | | • |
| Digital transmitters | | | | | | | | | | | | | | | | | | | | |
| Media 6 (Type 5006) | V 2.00 and higher | V 2.00 to 3.09 | • ¹⁾ | | | | | | | | | • | • | | | | | | | • |

¹⁾ Connecting cable not approved for explosion-protected version

²⁾ Only with restricted function

Specifications subject to change without notice



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