



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 1.

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 1) 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.



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

A new software version was launched in mid 2011. This new version, TROVIS-VIEW 4, 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 1.

System requirements for TROVIS-VIEW 4

Minimum hardware requirements:

- PC with Pentium processor or equivalent (1 GHz or faster), with minimum 512 MB RAM
- RS-232 serial interface or USB port (with USB/RS-232 adapter or USB Converter 3 for TROVIS 5500 Series) and suitable hardware depending on the SAMSON device used
- 1 GB hard drive space for x86 and 2 GB hard drive space for x64 (including space for installing .NET Framework 4.0)

Software requirements:

- Operating system: Windows® XP, Windows® Vista, Windows® 7 (administrator rights required to install the software)
- Microsoft® .NET Framework version 4.0 or higher
- Web browser: Microsoft® Internet Explorer Version 6.0 or higher
- PDF reader

System requirements for TROVIS-VIEW 3

Minimum hardware requirements:

- PC with Pentium processor or equivalent (300 MHz or faster), 500 MHz recommended
- Serial interface and suitable hardware depending on the SAMSON device used
- At least 96 MB RAM, 192 MB RAM or more recommended
- 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 (included on installation CD-ROM). If not installed on the PC:
 - Windows® 2000 and XP (without SP2): Microsoft® .NET Framework version 2.0 installed
 - Windows® XP (with SP2): Microsoft® .NET Framework version 3.5 installed
- PDF reader

Scope of delivery

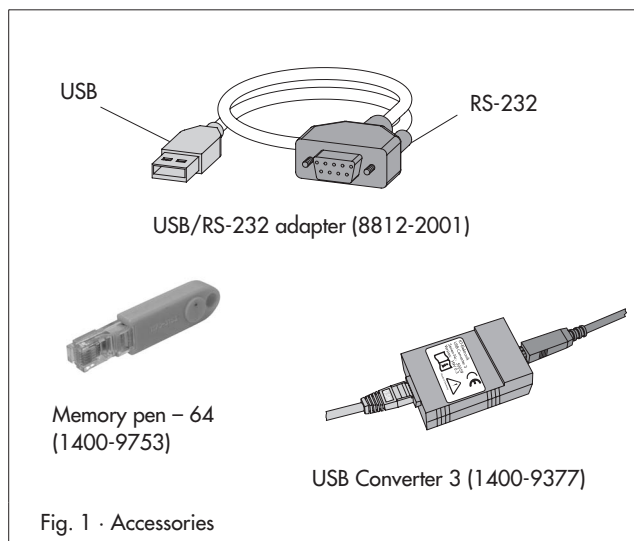
The TROVIS-VIEW 3 and TROVIS-VIEW 4 software versions are available for downloading from our website (www.samson.de) at Products > Support & downloads. The software can also be supplied on a CD-ROM on request.

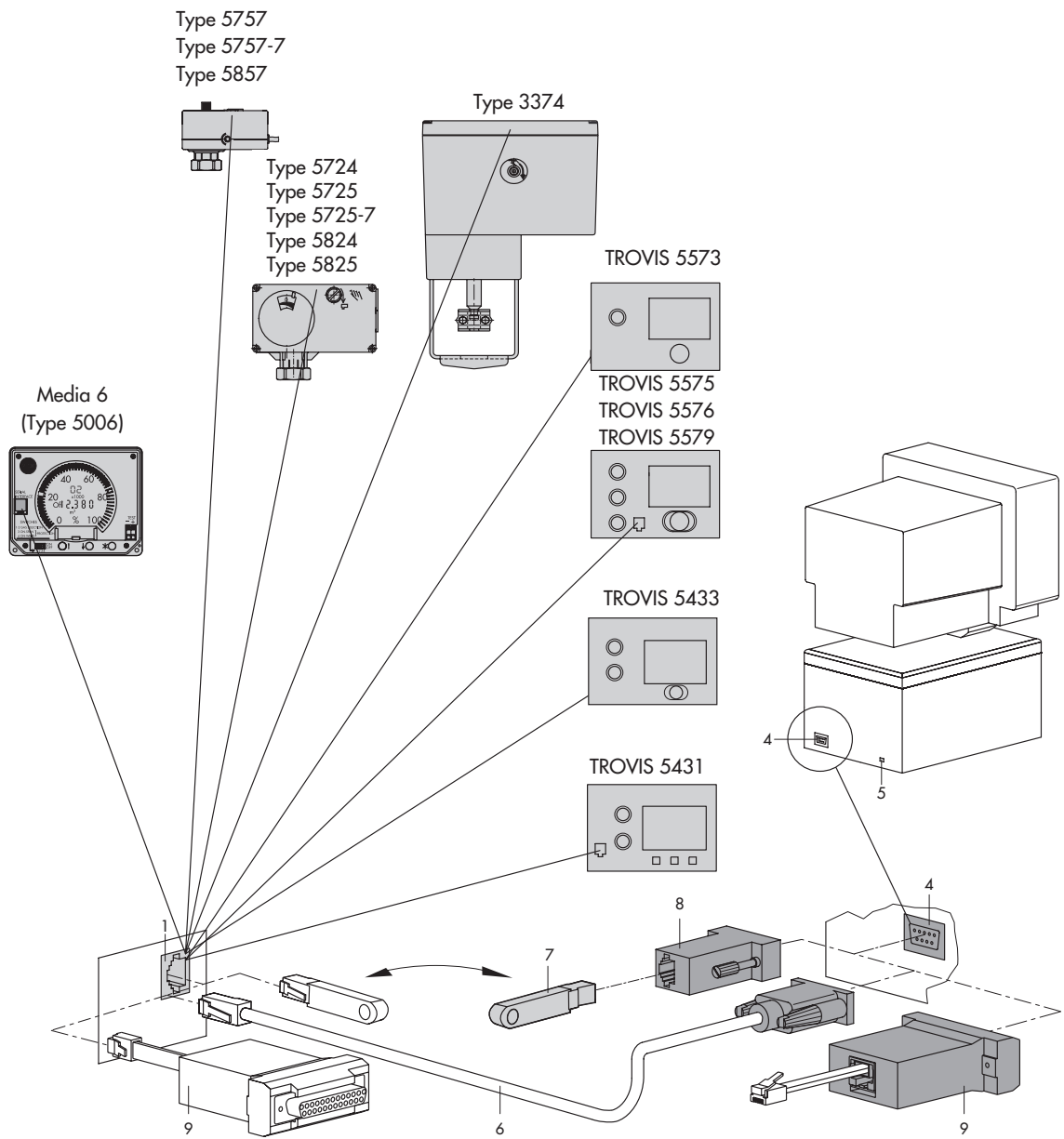
A document archive is available to update documentation in TROVIS-VIEW 4 and show the documentation accompanying the device version selected. This document archive is automatically integrated into TROVIS-VIEW 4.

This function is not included in TROVIS-VIEW 3. However, documentation can be saved to the hard drive when the document archive is installed. Documentation accompanying the device version can then be opened separately.

Accessories (Figs. 1 to 3)

Accessories	Order no.
USB/RS-232 adapter	8812-2001
USB Converter 3	1400-9377
Hardware package (memory pen – 64, connecting cable, modular adapter)	1400-9998
Memory pen – 64 (1170-3163)	1400-9753
Modular adapter	1400-7698
Memory module for TROVIS 5500 Automation System	1400-9379
Connecting cable RJ-12/D-Sub, 9 pole	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	1400-9740
FSK modem for HART® communication (TROVIS-VIEW can only use HART® communication with Type 3780, not with Types 3730-3, 3730-6 and 3731-3)	
– RS-232 EEx (ia)	8812-0129
– RS-232 (not explosion protected)	8812-0130
– PCMCIA (not explosion protected)	8812-0131
– USB (not explosion protected)	8812-0132
USB dongle for EXPERT+ diagnostics for Type 3730-4	1400-9555
Document archive in Internet (www.samson.de)	





- 1 RJ12 jack on SAMSON device
- 4 COM port (RS-232) on computer*
- 5 USB port on computer*
- 6 Connecting cable
- 7 Memory pen – 64
- 8 Modular adapter
- 9 Memory module (TROVIS 5500 Series)

* 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 or USB Converter 3 (Fig. 1).

Fig. 2 · Data transmission examples

- 1 RJ12 jack on SAMSON device
- 2 Infrared interface on SAMSON device
- 3 USB interface on SAMSON device
- 4 COM port (RS-232) on computer*
- 5 USB port on computer*
- 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 or USB Converter 3 (Fig. 1).

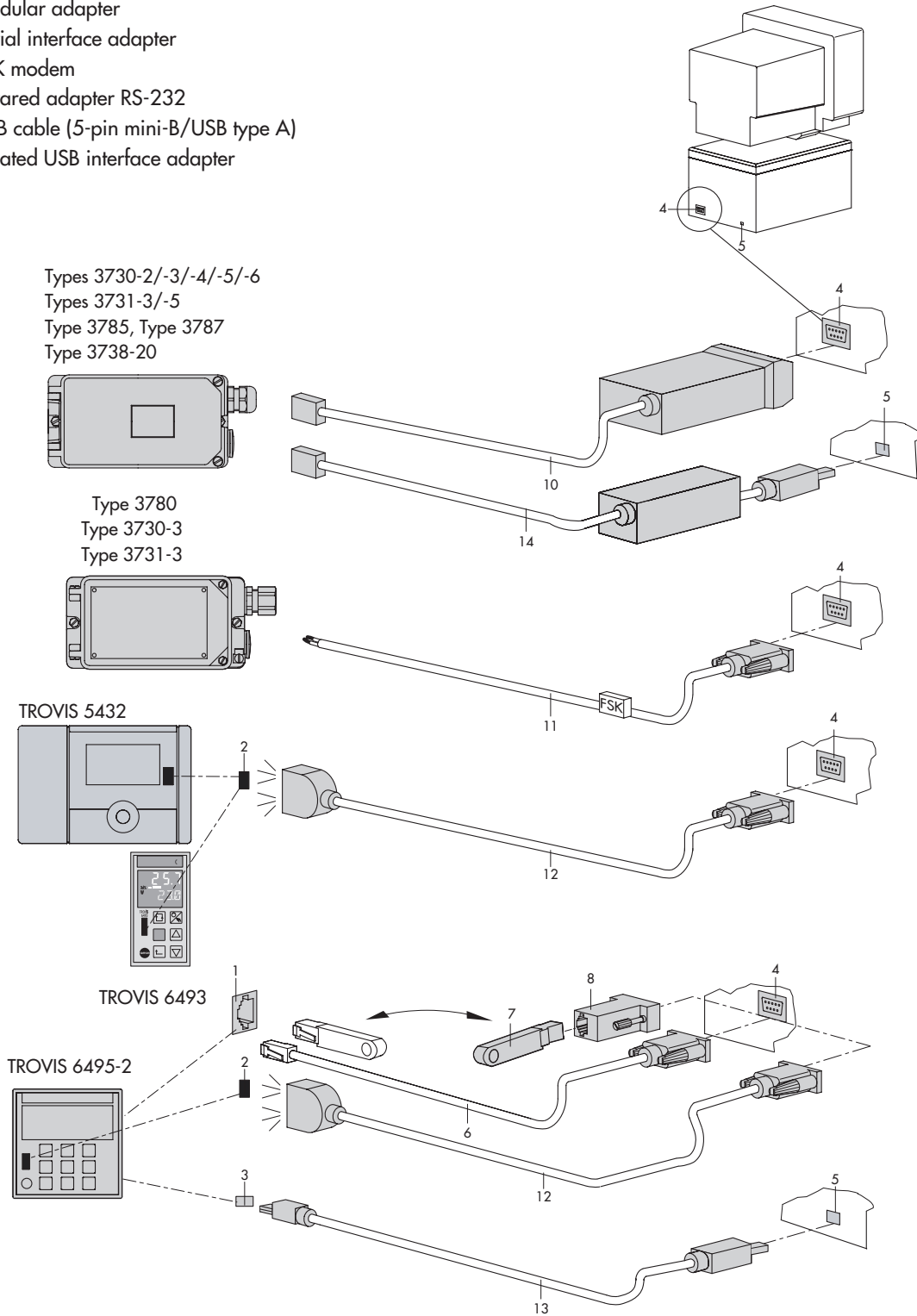


Fig. 3 · Data transmission examples

Table 1 · Data transmission

SAMSON devices	TROVIS-VIEW 4	TROVIS-VIEW 3	Data transmission											
			Direct							Indirect				
			Connecting cable (1400-7699)	FSK modem (8812-01xx)	Serial interface adapter (1400-7700)	Isolated USB interface adapter (1400-0940)	Infrared adapter RS-232 (8864-0900)	USB Converter 3 (1400-9377)	USB cable (8801-7301)	Memory pen (until April 2010)	Memory pen – 64 (1400-9753)	Memory module (1400-9379)	Modular adapter (1400-7698)	
Heating controllers														
TROVIS 5431	–	1.00 and higher	•								•	•		•
TROVIS 5432	–	1.00 and higher				•								
TROVIS 5433	–	1.00 and higher	•								•	•		•
TROVIS 5573	–	1.80 and higher							•				•	
TROVIS 5575	–	1.13 and higher						•1)					•	
TROVIS 5576	–	1.00 and higher						•1)					•	
TROVIS 5579	–	1.20 and higher						•1)					•	
Compact controller														
TROVIS 6493	–	2.03 or 3.03 and higher						•						
TROVIS 6495-2 Industrial Controller														
Without interface board								•						
With interface board RS-232/USB	–	1.00 and higher	•					•		•		•		•
With interface board RS-485/USB								•		•				
Electropneumatic positioners														
Type 3730-2	1.10 and higher	1.10 and higher			•	•								
Type 3730-3 (HART®)	1.10 and higher	1.10 and higher		•2)	•	•								
Type 3730-4 (PROFIBUS-PA)	–	R 1.43, K 1.00 and higher			•	•								
Type 3730-5 (FOUNDATION™ fieldbus)	–	R 1.40, K 1.20 and higher			•	•								
Type 3730-6 (HART® communication)	1.00 and higher	–		•2)	•	•								
Electropneumatic Ex d positioners														
Type 3731-3 (HART®)	1.30 and higher	1.30 and higher		•2)	•	•								
Type 3731-5 (FOUNDATION™ fieldbus)	–	R 1.45, K 1.00 and higher			•	•								
Positioners														
Type 3780 (HART® communication)	–	K 2.11 and higher		•										
Type 3785 (PROFIBUS-PA communication)														
PA device profile version 2.0 PA device profile version 3.0	–	K 1.60 – K 1.99 K 2.00 and higher			•	•								
Type 3787 (FOUNDATION™ fieldbus)	–	K 1.10 and higher			•	•								

1) Version 1.41 or higher for TROVIS 5575, 5576, 5579

2) No HART® communication between Types 3730-3, 3730-6 and 3731-3 Positioners and TROVIS-VIEW

SAMSON devices	TROVIS-VIEW 4	TROVIS-VIEW 3	Data transmission											
			Direct							Indirect				
			Connecting cable (1400-7699)	FSK modem (8812-01-xx)	Serial interface adapter (1400-7700)	Isolated USB interface adapter (1400-0940)	Infrared adapter RS-232 (8864-0900)	USB Converter 3 (1400-9377)	USB cable (8801-7301)	Memory pen (until April 2010)	Memory pen – 64 (1400-9753)	Memory module (1400-9379)	Modular adapter (1400-7698)	
Limit switches														
Type 3738-20	-	1.00 and higher			•	•								
Electric actuators with positioners														
Type 3374	-	1.00 and higher	•								•	•		•
Types 5824/5825	-	1.00 and higher	•								•	•		•
Type 5857	-	1.00 and higher	•								•	•		•
Controllers with electric actuators														
Type 5757, Types 5724/5725	-	1.00 and higher	•								•	•		•
Type 5757-7, Type 5725-7	-	1.00 and higher	•								•	•		•
Digital transmitters														
Media 6 (Type 5006)	-	2.00 and higher	•								•	•		•

Specifications subject to change without notice.



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