

APT-COM™ | Process documentation for logging, controlling and monitoring

The system, which consists of software in three different editions and the connected equipment, offers features that are needed for tasks ranging from the simplest measurements to guideline-compliant work: seamless monitoring of processes and documentation of process data. Documentation is automatically generated in electronic format and as a hard copy. This produces guideline-compliant documentation without extra effort, just like having a tailor-made suit for every PC user. Easy to use for a broad range of applications.

APT-COM™ SOFTWARE VERSIONS

APT-COM™ 3 BASIC-Edition

- Remote control for connected simulation chamber
- Graphic recording of measured values
- Documentation of measured values in a tamper-proof file
- Documentation when an adjustable tolerance limit is exceeded
- Documentation of all system service with user name and supporting documents
- Blocking function (software lock) for unsupervised operation
- Graphical/numerical program editor
- Output of measured values in ASCII format on a printer or in a spreadsheet file for further processing, e.g. in spreadsheet programs, date range freely selectable

• APT-COM™ 3 STANDARD-Edition

All the same functions as the BASIC edition and:

- Administration of up to 30 networked simulation chambers
- Alarm notification via SMTP e-mail in the event measured value limits are exceeded or fall short
- Time-controlled output of measured values (daily, weekly, monthly)
- Output of measured values to an HTTP web server, i.e. measured values are periodically displayed as a homepage and can be viewed using a web browser
- Manual printout in HTML and e-mail

• APT-COM™ 3 GLP-Edition

All the same functions as the STANDARD edition and:

- Unlimited number of users with individual passwords
- Password protection: GxP compliant
- Can be validated according to 21 CFR Part 11 in the system
- Central overview of all units and control room functions via TCP/IP using Watch tool
- Different rights for users and administrators
- Remote alarm system via e-mail and/or call-in, in the event that limits are exceeded or communication problems occur
- Documentation of measured values in a tamper-proof file in accordance with GLP/GMP guidelines
- Automatic backup system

ORDERING INFORMATION

Designation	Option model	Art. No.
Model APT-COM™		
APT-COM™ communications software	Version 3, GLP DEMO Edition	9053-0008
	Version 3, STANDARD Edition	9053-0013
	Version 3, BASIC Edition	9053-0014
	Version 3, GLP Edition	9053-0015
	upgrade from Version 2 to 3, GLP Edition	9053-0016

OPTIONS AND ACCESSORIES

Designation	Description	*	Art. No.
Alarm box	for forwarding alarm notifications to existing alarm systems or automatic telephone dialer via the communication software		
	230 V, 50/60 Hz option model	-	9052-0008
RS 232 interface, accessories	RS 232 connection cable, 3 m for vacuum controller in connection with speed-controlled vacuum pump (VP 3.1)	-	5023-0143
	RS 422 connection cable (15 m) between plug distributor and RS 422 interface	-	5023-0036
RS 422 interface, accessories	RS 422 extension cable (50 m) between interface converter and unit or RS 232 / RS 422 plug distributor	-	5023-0117
	modular plug distributor for 10 RS 422 interfaces	-	8012-0295
	RS 422 cable set and RS 232 / RS 422 interface converter for connection to 10-way plug distributor or for connection to a unit		
Interface converter	120 V, 60 Hz option model	-	8012-0557
	230 V, 50/60 Hz option model	-	8012-0556
	RS 422 cable set and RS 422 / Ethernet interface converter for connection to 10-way plug distributor or for connection to a unit		
	120 V, 60 Hz option model	-	8012-0405
	230 V, 50/60 Hz option model	-	8012-0380
	RS 422 cable set and RS 422 / USB interface converter for connection to 10-way plug distributor or for connection to a unit (USB-powered converter)	-	8012-0665
Automatic telephone dialer	interface cable (CVC2000 / DVR5)	-	5023-0049
	for forwarding alarm notifications from the alarm box to one or more recipients over telephone lines via the communication software		
	100...240 V, 50/60 Hz option model	-	9052-0005

SERVICES

Designation	Description	*	Art. No.
Installation services			
Validation services			
Carry out IQ/OQ	in accordance with qualification folder for each additional connected unit	18	DL040013
	in accordance with qualification folder with an additional connected unit	18	DL040012
APT-COM 3 installation service	connect and configure a unit to the communication software, customer does not supply cables	18	DL040002
	operating and configuration options for the software, programming and control of units via the communication software	18	DL040003
	Install and configure software on a PC provided by the customer. Prerequisites analogous to system requirements	18	DL040001
IQ/OQ qualification folder	supporting documents for validation performed by customer, consisting of: IQ/OQ checklists, QM certificate in accordance with ISO 9001	15, 18, 20	8012-0760