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Systems for process analysis

Exact analysis of gases and liquids is indispensable for quality in many sectors. Environmental protection also places high demands on the quality of analytical equipment. Siemens provides tailored system solutions:

Everything from one source



Sector

Chemical industry
Petrochemical industry
All types of furnace systems
Steel industry
Cement industry



Range of services

Competent and professional consulting by experienced analytical specialists
Support during authorization procedures
Basic and detailed engineering with state-of-the-art software tools (AutoCAD / ECS-CAD)
System assembly on workshop area of more than 1600 m²
On-site assembly
Worldwide commissioning by analytical specialists
Servicing/spare parts
Customer training
Process-oriented organization



Planning form for process analysis

Please find a few moments to fill in this form so that we can offer you the most appropriate system for your application.

If you have any problems, please contact your nearest Siemens analytical specialist or give us a call.

Your process analysis team:

Tel: +49 721 595 6302

Fax: +49 721 595 2013

E-mail: jochen.crocoll@siemens.com

Project data	
Project name	
Application	
Project number	
Inquiry number	

Addressees	Siemens contact	Customer
Company/organization		
Contact, form of address		
Contact, last name		
Function		
Department		
Phone		
Fax		
Cell phone		
E-mail		
Street		
Postal code, city		
Country		

End customer (if applicable)	
Company/organization	

Available aids				
	Min.	Typical	Max.	
Instrument air				barg
Nitrogen				barg
Steam (mist-free)				barg
Electric voltage				
Frequency				
Corrosive atmosphere				
Ambient temperature in °C				
Humidity (%)				

You can also find this planning form on the Internet at

www.siemens.com/processanalytics

Appendix

Planning forms

1. Analysis		Measuring point identification					
Component	Concentration			Dimension	Measured component	Measuring range	
	Min.	Typical	Max.			Small	Large
Sample pressure				mbara			
Sample temperature				°C			
Dust concentration				mg/m ³			
H ₂ O dew point				°C			
Acid dew point				°C			
Polymerization point				°C			
Approved materials							
Remarks on sample ¹⁾							1) Corrosive components, aerosols, contamination
Sample state ²⁾							2) Normal state at 20 °C, 101.3 kPa
Required T-90 time				s			
Required accuracy							

2. Installation	
Point of installation	
Ex zone of sampling point	
Ex zone of analyzer	
Temperature at sampling point (°C)	
Temperature at analyzer (°C)	

3. System design	
Version	
IP degree of protection	
Duct diameter at sampling point	
Flange geometry at sampling point (DN/PN)	
Distance between sampling point and point of installation	
Automatic calibration	
Signal outputs	
With return of sample gas	
Flange geometry for return of sampling gas (DN/PN)	
Distance between return/analysis	
Pressure at transfer point to return (barg)	

Special conditions	

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- B**
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- C**
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- D**
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- F**
Filters 4/2 ff
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Flowmeters 4/21 ff
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- I**
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- L**
Lamps 5/29
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Oxygen analyzer 5/2 ff
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PVDF couplings 4/31
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Room air filter 4/2
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Sample gas pumps 2/8 ff
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Shut-off ball valves made of PVDF 4/15
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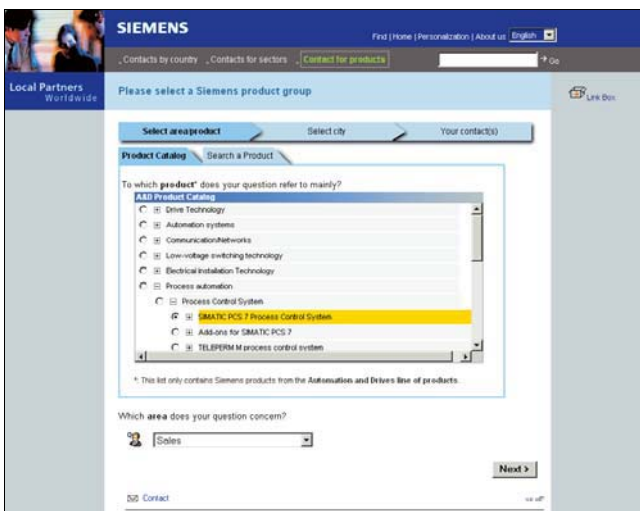
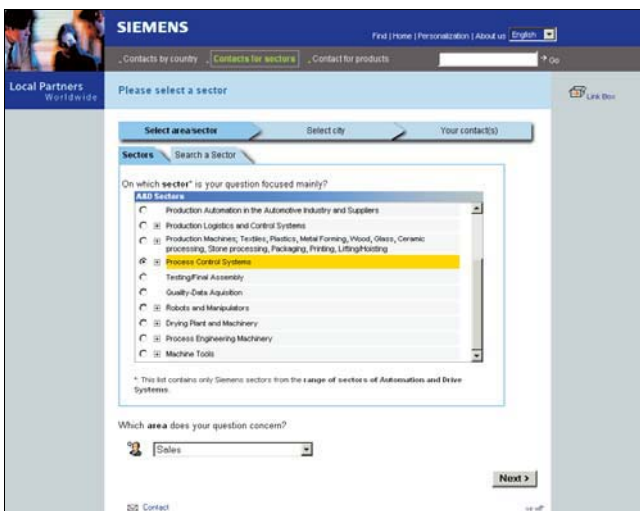
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Siemens Contacts worldwide



At



www.siemens.com/automation/partner

you can find details of Siemens contact partners worldwide responsible for particular technologies.

You can obtain in most cases a contact partner for

- Technical Support,
- Spare parts/repairs,
- Service,
- Training,
- Sales or
- Consultation/engineering.

You start by selecting a

- Country,
- Product or
- Sector.

By further specifying the remaining criteria you will find exactly the right contact partner with his/her respective expertise.

Need more Information?

Then fax us!

Under the fax no.

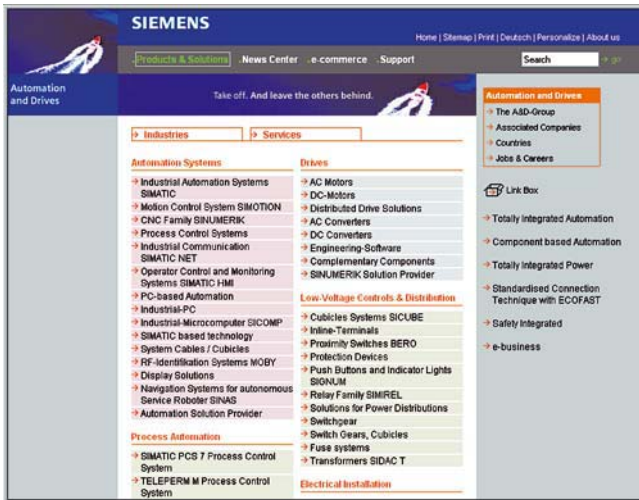
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you will find further information.

Appendix Service & Support

Information and Ordering in the Internet and on CD-ROM

A&D in the WWW



A detailed knowledge of the range of products and services available is essential when planning and configuring automation systems. It goes without saying that this information must always be fully up-to-date.

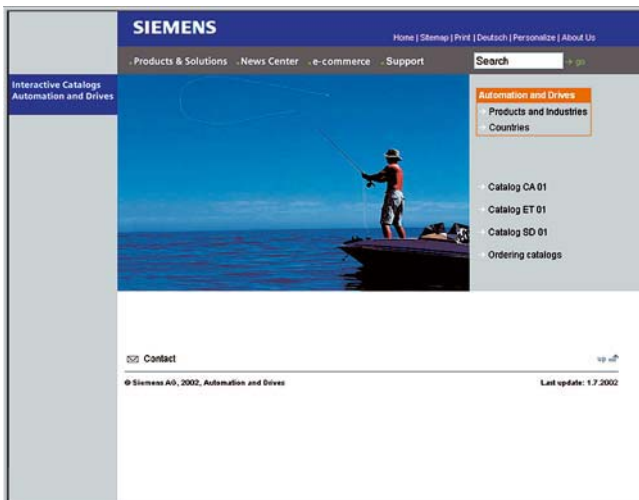
The Siemens Automation and Drives-Group (A&D) has therefore built up a comprehensive range of information in the World Wide Web, which offers quick and easy access to all data required.

Under the address

www.siemens.com/automation

you will find everything you need to know about products, systems and services.

Product Selection Using the Interactive Catalog



Detailed information together with convenient interactive functions:

The interactive catalog CA 01 covers more than 80,000 products and thus provides a full summary of the Siemens Automation and Drives product base.

Here you will find everything that you need to solve tasks in the fields of automation, switchgear, installation and drives. All information is linked into a user interface which is easy to work with and intuitive.

After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information on the interactive catalog can be found in the Internet under

www.siemens.com/automation/ca01

or on CD-ROM:

- Automation & Drives CA 01,
Order No.: E86060-D4001-A100-B8-7600

Easy Shopping with the A&D Mall



The A&D Mall is the virtual department store of Siemens AG in the Internet. Here you have access to a huge range of products presented in electronic catalogs in an informative and attractive way.

Data transfer via EDIFACT allows the whole procedure from selection through ordering to tracking of the order to be carried out online via the Internet.

Numerous functions are available to support you.

For example, powerful search functions make it easy to find the required products, which can be immediately checked for availability. Customer-specific discounts and preparation of quotes can be carried out online as well as order tracking and tracing.

Please visit the A&D Mall on the Internet under:

www.siemens.com/automation/mall

Our Services for Every Phase of Your Project



In the face of harsh competition you need optimum conditions to keep ahead all the time:

A strong starting position. A sophisticated strategy and team for the necessary support - in every phase.

Service & Support from Siemens provides this support with a complete range of different services for automation and drives.

In every phase: from planning and startup to maintenance and upgrading.

Our specialists know when and where to act to keep the productivity and cost-effectiveness of your system running in top form.

Configuration and Software Engineering



Support in configuring and developing with customer-oriented services from actual configuration to implementation of the automation project. ¹⁾

Service On Site



With Service On Site we offer services for startup and maintenance, essential for ensuring system availability.

In Germany
0180 50 50 444 ²⁾

Online Support



The comprehensive information system available round the clock via Internet ranging from Product Support and Service & Support services to Support Tools in the Shop.

www.siemens.com/automation/service&support

Repairs and Spare Parts



In the operating phase of a machine or automation system we provide a comprehensive repair and spare parts service ensuring the highest degree of operating safety and reliability.

In Germany
0180 50 50 448 ²⁾

Technical Support



Competent consulting in technical questions covering a wide range of customer-oriented services for all our products and systems.

Tel.: +49 (0)180 50 50 222
Fax: +49 (0)180 50 50 223
E-Mail:
adsupport@siemens.com

Optimization and Upgrading



To enhance productivity and save costs in your project we offer high-quality services in optimization and upgrading. ¹⁾

Technical Consulting



Support in the planning and designing of your project from detailed actual-state analysis, target definition and consulting on product and system questions right to the creation of the automation solution. ¹⁾

1) Get in touch with the sales contact in your region for questions about these services. Our Helpline (tel.: +49 (0) 180 50 50 111) will also put you through to the right contact or just visit our Internet site.

2) For country-specific telephone numbers go to our Internet site at:
www.siemens.com/automation/service&support

Appendix

Customer Support

Knowledge Base on CD-ROM



For locations without online connections to the Internet there are excerpts of the free part of the information sources available on CD-ROM (Service & Support Knowledge Base). This CD-ROM contains all the latest product information at the time of production (FAQs, Downloads, Tips and Tricks, Updates) as well as general information on Service and Technical Support.

The CD-ROM also includes a full-text search and our Knowl-

edge Manager for targeted searches for solutions. The CD-ROM will be updated every 4 months.

Just the same as our online offer in the Internet, the Service & Support Knowledge Base on CD comes complete in 5 languages (German, English, French, Italian, Spanish).

You can order the **Service & Support Knowledge Base CD** from your Siemens contact.

Order no. **6ZB5310-0EP30-0BA2**

Orders via the Internet
(with Automation Value Card or credit card) at:

www.siemens.com/automation/service&support
in the Shop domain.

Automation Value Card



Small card - great support

The Automation Value Card is an integral component of the comprehensive service concept with which Siemens Automation and Drives will accompany you in each phase of your automation project.

It doesn't matter whether you want just specific services from our Technical Support or want to purchase high-quality Support Tools in our Online Shop, you can always pay with your Automation Value Card. No invoicing, transparent and safe. With your personal card number and associated PIN you can view the state of your account and all transactions at any time.

Services on card. This is how it's done.

Card number and PIN are on the back of the Automation Value Card. When delivered, the PIN is covered by a scratch field, guaranteeing that the full credit is on the card.

By entering the card number and PIN you have full access to the Service & Support services being offered. The charge for the services procured is debited from the credits on your Automation Value Card.

All the services offered are marked in currency-neutral credits, so you can use the Automation Value Card worldwide.

Automation Value Card order numbers

Credits	Order no.
200	6ES7 997-0BA00-0XA0
500	6ES7 997-0BB00-0XA0
1000	6ES7 997-0BC00-0XA0
10000	6ES7 997-0BG00-0XA0

Detailed information on the services offered is available on our Internet site at:

www.siemens.com/automation/service&support

Service & Support à la Card: Examples

Technical Support

"Priority"	Priority processing for urgent cases
"24 h"	Availability round the clock
"Extended"	Technical consulting for complex questions

Support Tools in the Support Shop

"System Utilities"	Tools that can be used directly for configuration, analysis and testing
"Applications"	Complete topic solutions including ready-tested software
"Functions & Samples"	Adaptable blocks for accelerating your developments



Terms and Conditions of Sale and Delivery Export regulations

Terms and Conditions of Sale and Delivery

in the Federal Republic of Germany

By using this catalog you can acquire hardware and software products described therein from the Siemens AG subject to the following terms. Please note! The scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside the Federal Republic of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity.

for customers based in the Federal Republic of Germany

The General Terms of Payment as well as the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry shall apply.

For software products, the General License Conditions for Software Products for Automation and Drives for Customers with Seat or registered Office in Germany shall apply.

for customers with a seat or registered office outside the Federal Republic of Germany

The General Terms of Payment as well as the General Conditions for Supplies of Siemens Automation and Drives for Customers with a Seat or registered Office outside of Germany shall apply.

For software products, the General License Conditions for Software Products for Automation and Drives for Customers with Seat or registered Office outside of Germany shall apply.

General

The prices are in € (Euro) ex works, exclusive packaging.

The sales tax (value added tax) is not included in the prices. It shall be debited separately at the respective rate according to the applicable legal regulations.

In addition to the prices of products which include silver and/or copper, surcharges may be calculated if the respective limits of the notes are exceeded.

Prices are subject to change without prior notice. We will debit the prices valid at the time of delivery.

The dimensions are in mm. Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages, - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

Comprehensive Terms and Conditions of Sale and Delivery are available free of charge from your local Siemens business office under the following Order Nos.:

- 6ZB5310-OKR30-0BA0
(for customers based in the Federal Republic of Germany)
- 6ZB5310-OKS53-0BA0
(for customers based outside of the Federal Republic of Germany)

or download them from the Internet:
www.siemens.com/automation/mall
(A&D Mall Online-Help System)

Export regulations

The products listed in this catalog / price list may be subject to European / German and/or US export regulations.

Therefore, any export requiring a license is subject to approval by the competent authorities.

According to current provisions, the following export regulations must be observed with respect to the products featured in this catalog / price list

AL	Number of the <u>German Export List</u> . Products marked other than "N" require an export license. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an " <u>AL not equal to N</u> " are subject to a European or German export authorization when being exported out of the EU.
ECCN	<u>Export Control Classification Number</u> . Products marked other than "N" are subject to a reexport license to specific countries. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an " <u>ECCN not equal to N</u> " are subject to a US re-export authorization.

Even without a label or with an "AL: N" or "ECCN: N", authorization may be required due to the final destination and purpose for which the goods are to be used.

The deciding factors are the AL or ECCN export authorization indicated on order confirmations, delivery notes and invoices.

Subject to change and errors excepted without prior notice.

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