



**AUTOMATED
PROCESS**

L I M I T E D

...innovative know-how

- Indicators | Displays | Counters | Timers | Alarm Units
 - PID and Multifunction Controllers
- Recorders, Data Acquisition and Management
 - PLC and HMI
- Aveva Solutions (formerly Wonderware Solutions)
 - Industrial Communication from Phoenix Contact
 - Motor, Machine and System Monitoring
- Motor Starters and Electronic Switching Devices
 - Relays and Optocouplers
- Signal Conditioners and Measuring Transducers
 - Energy Monitoring from Phoenix Contact
 - Cloud Computing

Process Control and Data Management

PROCESS CONTROL AND DATA MANAGEMENT

- 0 Indicators – Displays – Counters – Timers - Alarm Units
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- 0 PLC and HMI
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simex

Eurotherm
Authorized
Solution Provider

Schneider
Electric

**PHOENIX
CONTACT**

**IBS
Batch
Control**

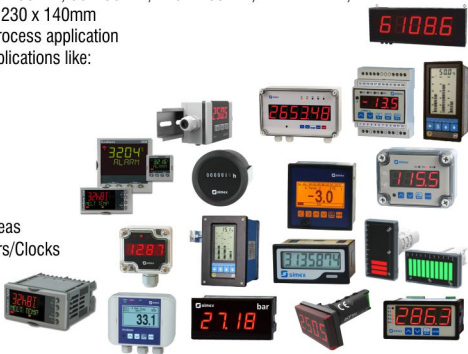
**ak
tec**



INDICATORS | DISPLAYS | COUNTERS | TIMERS | ALARM UNITS

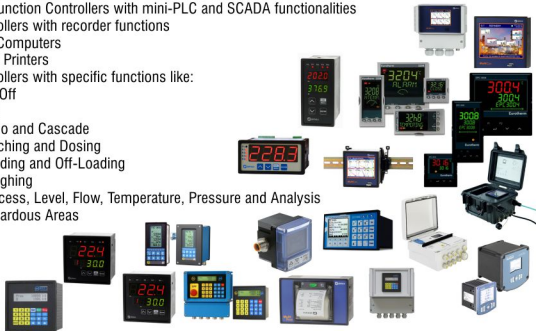
- For front panel, field and DIN rail mounting.
- Panel or Cases Sizes: 24 x 48mm, 48 x 48mm, 72 x 36mm, 72 x 91mm, 48 x 96mm, 96 x 96mm, 110 x 105mm, 144 x 72mm, 144 x 144mm, 230 x 140mm
- For universal process application
- For specific applications like:
 - o Temperature
 - o Pressure
 - o Level
 - o Flow
 - o Weight
 - o Rate/Tacho
 - o Counting
 - o Hazardous areas

- Counters/Timers/Clocks
- Serial Displays



PID AND MULTIFUNCTION CONTROLLERS

- 0 Mountings: Front panel, field, Portable/Mobile, DIN Rail, Sensor and Actuator mountings
- 0 Panel or Cases Sizes: 24 x 48mm, 48 x 48mm, 72x36mm, 72x91mm, 48 x 96mm, 96 X 96mm, 110x105mm, 144x72mm, 144x144mm, 230x140mm.
- 0 Single and multiple loops
- 0 Multifunction Controllers with mini-PLC and SCADA functionalities
- 0 Controllers with recorder functions
- 0 Flow Computers
- 0 Ticket Printers
- 0 Controllers with specific functions like:
 - On/Off
 - PID
 - Ratio and Cascade
 - Batching and Dosing
 - Loading and Off-Loading
 - Weighing
 - Process, Level, Flow, Temperature, Pressure and Analysis
 - Hazardous Areas



**AUTOMATED
PROCESS**
LIMITED
...innovative know-how

- Recorders with 21 CFR PART 11 approval
Thermal Uniformity Survey Recorder
Recorders for Hazardous area
Recorders software
Data Acquisition Systems
- 
- A collage of various industrial data acquisition and recording devices. It includes several handheld units with color screens showing graphs and data. There are also rack-mounted modules, some with multiple input ports. Desktop monitors are shown displaying various types of data visualizations, including line graphs, bar charts, and circular plots. The devices are from different manufacturers, with some branding like 'MultiLog' and 'Extech' visible. The overall theme is industrial data collection and monitoring.

PLC AND HMI

- 0 Phoenix Contact PLCs – For IEC 61131-3 and high-level languages
- 0 Phoenix Contact I/O systems - For IP20 and IP65/IP67 degrees of protection
- 0 Phoenix Contact Automation software for the entire engineering process
- 0 Siemens S7 PLC Controllers
- 0 HMI Panels and Industrial PCs



AVEVA SOLUTIONS *(FORMERLY WONDERWARE SOLUTIONS)*



- 0 AVEVA System Platform - Highly scalable SCADA Platform that enables Enterprise-wide standardization.
- 0 AVEVA InTouch HMI - The World's most advanced and popular HMI and process visualization software.
- 0 AVEVA™ Edge - HMI and IoT Edge solution for OEMs and End Users.
- 0 AVEVA Development Studio - Development Studio provides a multifaceted environment used for development, testing, version management, and training.
- 0 AVEVA Historian - Historian is a high-performance process database that retrieves all your operational information for easy delivery to your desktop or mobile devices.
- 0 AVEVA Manufacturing Execution System - Streamline production execution, track the transformation of products from raw materials to finished goods and evaluate and analyze yield, quality, and resource utilization to improve operational efficiency.



INDUSTRIAL COMMUNICATION FROM PHOENIC CONTACT

- 0 Ethernet extenders, PROFIBUS extenders, and serial extenders – Easy network connection.
- 0 Fieldbus distributors and segment couplers for PROFIBUS PA, PROFIBUS DP, and Fieldbus Foundation.
- 0 Fieldbus repeaters – For PROFIBUS and RS-485 bus systems.
- 0 Industrial Ethernet switches – Industrial-strength Unmanaged and Managed Switches.
- 0 Industrial routers for remote maintenance and cybersecurity.
- 0 Industrial Wireless: From IWLAN, through Wireless IO, right through to WirelessHART.
- 0 Network installation – From patch panels and network isolators to SPF modules.
- 0 Interface converters, device servers, and gateways – From RS-232 to Ethernet.
- 0 Media converters – Connect FO and copper networks.
- 0 Smart Camera Box for video surveillance.



MOTOR, MACHINE AND SYSTEM MONITORING

- 0 Function modules: Diode modules and lamp testing modules.
- 0 Machine manager.
- 0 Monitoring relays and current relays.
- 0 Motor manager.
- 0 PV string monitoring.
- 0 Use SMS relays to prevent failures.



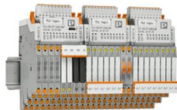
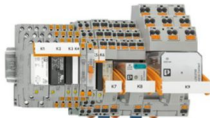
MOTOR STARTERS AND ELECTRONIC SWITCHING DEVICES

- 0 Hybrid motor starters.
- 0 Motor starters for DC motors.
- 0 Solid-state contactors.
- 0 Speed Starters with intuitive operation.



RELAYS AND OPTOCOUPLERS

- 0 Programmable logic modules/control relays.
- 0 Solid-state relays.
- 0 Electromechanical relays.
- 0 Timer relays.



SIGNAL CONDITIONERS AND MEASURING TRANSDUCERS

- o Isolating amplifiers
- o Temperature transmitters
- o Repeater power supplies
- o Potiposition transducers
- o Frequency transducers
- o Signal duplicators
- o Threshold value switch
- o Passive isolators
- o Switching amplifiers
- o Setpoint Potentiometers
- o Repeater power supplies
- o Evaluation units
- o Power modules
- o Signal isolators
- o Signal converters
- o Signal conditioners with functional safety and explosion protection



ENERGY MONITORING FROM PHOENIX CONTACT

- 0 AC current transducers and AC/DC current transducers.
- 0 Current transformers for initial and retrofit installations.
- 0 Energy and power data analysis.
- 0 Energy measuring devices and energy meters.
- 0 AC and DC voltage transducers and convert them to standard analogue signals

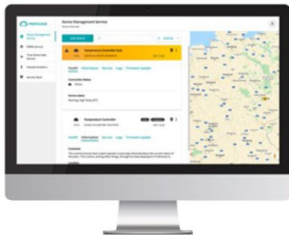


CLOUD COMPUTING

Phoenix Contact offers simple and standardized Software-as-a-Service solutions in the form of Smart Services. These allow you to manage your devices intelligently with cloud technology, minimize downtimes, and increase availability:

- 0 Secure device management
- 0 real-time measurement
- 0 Cloud-based analysis
- 0 State of health
- 0 Predictive maintenance
- 0 Energy management

With the Proficloud.io IoT platform, Phoenix Contact provides a secure and scalable cloud environment on which to operate the Smart Services.



OUR INDUSTRIAL SOLUTIONS AND SERVICES OFFERING



1. Liquid/gas storage/buffer tank level measurement and control
2. Liquid/solid dosing/filling/batching systems
3. Utility liquid/gas metering and inventory systems
4. Fluid loading and unloading systems
5. Industrial safety systems
6. Energy monitoring and management systems
7. Condition monitoring and control systems
8. Instrument maintenance and calibration services
9. Process plants/machines instrumentation and control
10. Compressed air quality solution according to ISO8573
11. Compressed air/gas leak detection and control
12. Control valves system design, assembly and services
13. Industrial wireless and IoT systems
14. Motors, pumps and fans monitoring and controls
15. Electrical panel building components, accessories and services

INDUSTRY

- Food and Beverage
- Pharmaceuticals
- Cement and Chemicals
- Plastics, Printing and Packaging
- Marine, Oil & Gas
- Power and Energy



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