

Resato

HIGH PRESSURE TECHNOLOGY



RESATO PC DATA ACQUISITION AND RECORDING SYSTEM, TYPE CR

Calibrated system direct ready for use

Using your own PC

Galvanic isolation guaranteed

Test certificate complete with online testgraph

Suitable for every existing high pressure system

DESCRIPTION

The Resato PC data acquisition and recording system (type CR) creates test certificates for tests executed with high-pressure systems. An online pressure/temperature test graph is included in the test certificate. The system can be installed on your own PC and the certificate can be printed on your own printer.

The software offers a standardized test certificate layout. For all tests, information on customers and test objects can be entered before or during testing. The CR unit automatically includes the test graph in the certificate. After completion of the pressure test the test certificate data can be stored and printed. You can log a maximum of four different inputs simultaneously.

An input can be a pressure, a temperature or both. The CR-system is easy to install and immediately ready for use.

TECHNICAL DETAILS:

The Resato CR-system is supplied in an IP 40 housing. The system has the following specifications:

Hardware:

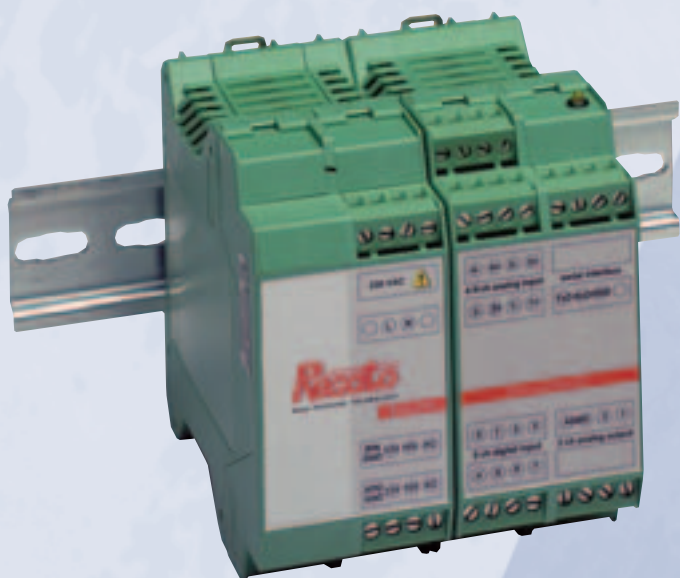
- Resato data acquisition controller
- Maximum 4 input channels.
- Resolution 16 bit
- Operating temperature 0-30 °C
- Accuracy (including Resato CR):
≤ 0.5% of span up to 10,000 bar
- Galvanic isolation

Software

- Logging frequency rate of the complete system: 2 Hz.
- Logging of max. 4 channels simultaneously.
- Certificate can be stored in *.emf format (for use in for example Word 97® or higher).
- Data export in *.txt format (for use in for example Excel 97® or higher).
- Online pressure graph in a standardized certificate layout.
- Choice of test certificate language: English, German or Dutch.
- Excel 97® macro supplied (English) as an example for advanced Excel 97® users for creating a customized certificate layout.
- Pressure transmitter to be ordered separately. See our leaflet for pressure transmitters type S.
- Range 0-10 to 0-10,000 bar.
- Accuracy ≤ 0.5% of span at 20° C up to 10,000 bar

The CR-system uses your own computer and printer. The minimum system requirements are:

- **Hardware:** Pentium 166, 32 Mb Internal memory, 20 Mb free on hard disk and one COM port available (9-PIN D-Sub RS232 Connector).
- **Software:** Windows 95/98



RESATO MASTER-CONTROLLER



PRESSURE TRANSMITTER

Pressure transmitters have to be ordered separately. See our leaflet for pressure transmitters type S.

- Range 0-10 to 0-10,000 bar
- Accuracy $\leq 0.5\%$ of span up to 10,000 bar at 20 °C
- Output 0-10V

OPTIONS

The following options can be easily added to the Resato CR system.

Hardware

- Temperature sensor (Pt 100 element), range 0-250°C, with separate transmitter. The temperature will be presented in the pressure graph.

Software

- Extended data base features for handling information on customers, test objects and test data.

PACKAGE DELIVERY

The standard Resato CR-system is supplied as a complete package, ready for use. The system consists of the following:

- Resato data acquisition controller in IP 40 housing.
- Integrated stabilized power supply.
- CD-ROM with setup software, manual and technical documentation.
- Cable (length 3 m) to connect pressure transducer to CR-system, including connectors.
- RS 232 cable (length 2.5 m) to connect CR-System to COM port of PC or laptop, including connector.
- Cable (2 m) to connect CR-system to power supply 230V/50Hz including connector.
- Up to four pressure or temperature inputs.

HOW TO ORDER

The CR-system can be supplied with four different inputs (pressure, temperature and both).

Ordering example:

CR-P-P-P-T = CR recorder with three pressure inputs and one temperature input

CR-P-0-0-0 = CR recorder with one pressure input.



EXAMPLES OF RESATO HIGH-PRESSURE COMPONENTS UP TO 14,000 BAR

Air-driven pumps and gas boosters
Hydraulically-driven pumps and gas boosters
Fittings
General-purpose valves
Check valves
Swivels
Hoses
Tubing
Pressure transducers
Rupture-disc safety devices
Quick connectors

EXAMPLES OF RESATO HIGH-PRESSURE EQUIPMENT AND SYSTEMS

Portable pressure-test systems
Test equipment for hoses (safety) valves, fittings etc.
Computer-controlled high-pressure test equipment
Autofrettage systems
Autoclaves
Custom-made test equipment
Water-jet cutting systems
High-pressure food preservation systems
PC data acquisition and recording systems

COMPANY PROFILE

Since 1985, Resato International B.V. has specialized in the design and manufacture of high-pressure components and systems for pressures of up to 14,000 bar (200,000 psi).

Our modern factory in Roden, The Netherlands, comprises engineering and R&D departments and production facilities. Resato provides a wide range of components and turnkey pressure test and high-pressure systems. Both gases and liquids are used as high-pressure mediums.

INFORMATION

Because of our thorough knowledge of products and applications we are more than capable of offering suitable advice and equipment.

Please note that general data and specifications given in this brochure are subject to change without notice. Feel free to contact our sales department if you need more definite information.

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