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Measuring value logging system

DATA-MWE

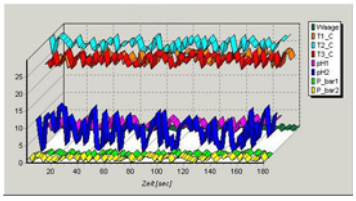
For logging measurement values and controlling in laboratories

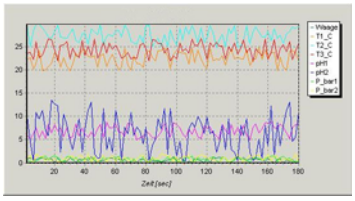
Incl. Software SMR

The advantages of computer aided measuring values logging, checking and controlling of all important parameters as well as a direct analysis of all results in laboratories are practiced rarely. Often it is difficult to bundle all information from the software, hardware and complicated handling configuration. High-quality systems often are too expensive for research departments with multiple laboratories.

DATA-MWE is an economically priced system fpr measurement value logging and controlling in laboratories for Windows ® (9X, ME, NT4, SP6, 2000 and XP). With the assistance of the included software SMR the system is immidiately ready for use. Unpack, install, begin!

Demonstration examples are in 3D and 2D





DATA-MWE is connected to the personel computer by a serial cable.

DATA-MWE has 8 test ports with 4-pole tuchel sockets, which are configurable at your option, that means every chanel is configurable for voltage (for example 0-10V), current (for example 0-20mA) with integrated power supply, thermocouples (for example NiCr-Ni, PtRh-Pt), Pt 100 (for example 2-wired or 3-wired) or Pt 1000 input. For devices without 4-pole tuchel plug only a special adapter is needed (on inquiry deliverable!). It is possible to configure the first and second chanel as scales. (Mettler and Satorius were tested!). For the scale the personel computer needs a separate serial interface.

The device includes 4 switch outputs, which are assignable indepentendly of each other. This outputs are arrangable as mechanical, floating relay switches, solid-state relay or per two and two. The **DATA-MWE** is equiped with mechanical, floating switch outputs by default.

A large dimensioned mains adapter for 230 VAC with two additional electrically isolated supply units per 24 VDC 60 mA for operation with external modules (for example pressure or temperature transmitters) completes the device. With a serial connection the 12-bit-changed measurement value is transferred to the personel computer; No intervention is needed.

Never the less to protect the circuit board against ambiente influences, the the hole unit is surrounded by an aluminium chassis with an eloxided and printed front plate and a welded powder-coated steel housing.

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DATA-MWE

In case of the software SMR the economically priced system for logging measurement values and controlling offers the following advantages:

- free contracting terms for the award of channel descriptions
- free selection of the type of measurement input of every chanel
- free selection of grafical indication of every chanel
- multiple options of finishing the particular measurement job
- free selection of the switch conditions of every switch chanel
- free assignment and linking of the measurement channels of every switch channel
- free selection of the term of measurement intervalls
- selection of the indication in 3D or 2D
- the graphic is presentable on every personal computer in network
- every channel is adjustable separately
- setting and parameters can be saved and are reusable optional
- the results can be saved as DBF file and are exportable to MS Excel
- saved data's are presentable in tables or grafically
- connection of up to two scales (Mettler and Satorius were tested!) by serial interface with integration in the delivered software SMR is possible

System requirements:

- minimal required is a Pentium II processor with a free interface (for every scale one more interface extra)
- one of the following operation systems
  - Windows 9x
  - Windows ME
  - Windows NT4 SP6
  - Windows 2000 pro (recommended)
  - Windows XP
- CD Rom drive
- The sample rate depends on the capacity of the processor and main memory