



**DATEC-CONTROL** – Ergonomic hand-held enclosure in 4 sizes with large display section and narrow hand grip area.



#### OVERVIEW OF THE SENSORS:

- **Basic quantities**  
Digital signals, current, resistance, frequency, and many more...
- **Electromagnetic fields**  
Constant and alternating electric and magnetic fields.
- **Temperature, moistness, pressure**  
Temperature via thermocouple and Pt 100, etc.; air humidity; pressure.
- **Gases**  
Gas concentration of oxygen, carbon monoxide, and many more...
- **Chemical quantities**  
pH value, redox value, conductivity.
- **Flow**  
in gases and liquids via vane probe.
- **Light, sound**  
Illuminance, sound level.
- **Customised sensors**  
Further measured quantities and specially developed devices upon request.

# „MODULAR MEASURING SYSTEM FOR UNIVERSAL USE.“

REINER FAUSER ELEKTROTECHNIK, AMBACHER STR. 4, 81476 MÜNCHEN, GERMANY

The universal UMS 4 hand-held measuring instrument by Fauser Elektrotechnik can record several parallel measured values through its sensor concept.

## CUSTOMER APPLICATION

Through the four independent sensor slots, the parallel measurement of up to 16 variables can be carried out. Limit values, measuring ranges and the information displayed can be configured individually for each channel. The measured values displayed can not only be stored directly in the unit, but also transferred to a PC using the RS232 interface. The DATA-UMS measuring software supports you in evaluation and documentation. The CHEM1 sensor can be used to determine pH value, redox voltage, electrolytic conductivity and temperature, for example; gas sensors are optionally available for the variables O<sub>2</sub>, O<sub>3</sub>, CO<sub>2</sub>, CO, as well as sensors for flow rate, pressure, humidity etc.

The UMS 4 hand-held measuring instrument, installed in the DATEC-CONTROL range of enclosures by OKW, offers users maximum operating comfort and easy handling: switch on the unit, plug in the relevant sensor, and the measured values are then displayed immediately. Thanks to the automatic recognition function, the sensors can be changed at any time during



the measuring operation. All user-defined settings as well as the measured data recorded remain in the memory even if the battery is changed (fast change of the AA batteries). The UMS 4 measuring instrument has an integrated energy-saving mode, and thus offers very long readiness for operation – very practical during mobile use in the field.

**Fauser**  
Elektrotechnik

### CONTACT

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