



Oxygen concentration in gases or liquids - for diverse application areas

In many industrial processes, the oxygen content is an important decisive parameter. Examples are: thermal processing, soldering, packaging of highly sensitive products, or in preservation of organic materials. Various applications are also in Bio-chemistry, Medicine technology, museums, aquatics, and diving sports.

The HYGROSENS residual oxygen measuring instrument is highly accurate, temperature compensated and owing to its wide measuring range, they are also suitable for determination of residual oxygen content in the range of below 1 %. It has a double line display for oxygen content, partial pressure and temperature and an integrated data interface as a standard feature - without any extra charge!

Besides the models for measurement in gases, a model is also available for measurement of dissolved oxygen in liquids.



Oxygen measuring instrument HM610 Professional oxygen measuring instrument for dissolved oxygen in liquids, scope of supply inclusive of electrodes, manual atmospheric pressure compensation, 1 point calibration, temperature compensation, Min/Max value memory, Hold-function, automatic switch off (1 ... 120min, de-selectable), 2 x 4-position display, PC-interface, scope of supply inclusive of measuring probe

HM610

405.60 €



Oxygen measuring instrument HM630 all features of HM610 and additionally:
Air pressure measurement with integrated pressure sensor, wider measuring range for oxygen and temperature, oxygen partial pressure measurement, Salinity correction (0.0 ... 70.0), 2-point calibration

HM630

480.10 €



Air oxygen measuring instrument HM691 Professional oxygen measuring instrument for measurement in air and gases, display of oxygen concentration or oxygen partial pressure, air pressure and temperature compensation, 2-point calibration, Min/Max alarm with integrated alarm generator, Min/Max value memory, Hold-function, automatic switch off, 2 x 4-position display, PC-interface, scope of supply inclusive of measuring probe

HM691

136.85 €

Do you have any specific requirements? You can get many other instruments and accessories from us for precise temperature measurement. Please let us know your job requirements, we would be pleased to provide you a solution - free of charge without any obligation!

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Oxygen measuring probe for air and gases

In addition to the oxygen sensor, there is also a temperature sensor in the probe housing, which measures the gas temperature for the purpose of compensation.

The oxygen-measuring cell works on electro-chemical principle and must be replaced after some years depending on the type of application. The split type probe housing can be easily opened for this purpose.

	<p>Air oxygen sensor for HM691 (including hose adaptor), suitable for pressure less measurement in atmosphere as well as in closed systems with low over or under pressure up to 250 mbar, wider measuring range for oxygen partial pressure: 0 ... 1100 hPa O₂ and oxygen concentration: 0.0 ... 100.0 % O₂(gaseous state)</p> <p>GO369 96.70 €</p>
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	<p>Air oxygen sensor for HM691 (including hose adaptor), All features of GO 369 and in addition: Specially for measurement in gases with higher CO₂-concentration, measuring range oxygen partial pressure 0 ... 1000 hPa, oxygen concentration 0.0 ... 80.0 %</p> <p>GO369S 132.60 €</p>
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	<p>Air oxygen-Sensor for HM691 (including hose adaptor), matching with handy instrument HM691, with threaded connection, suitable for measurement in atmosphere and in streams, pressure less systems e.g. measurement in breathing gas, measuring range oxygen partial pressure 0 ... 1100 hPa, oxygen concentration 0.0 ... 100.0 % (gaseous state)</p> <p>OO369 110.30 €</p>
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	<p>Air oxygen-Sensor for HM691 (including hose adaptor), All features of OO 369 and in addition: Specially for measurement in gases with higher CO₂-concentration, measuring range oxygen partial pressure 0 ... 1000 hPa, oxygen concentration 0.0 ... 80.0 %</p> <p>OO369S 146.20 €</p>
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The models shown in this price list are preferred types and available ex-stock at a short notice. In addition, we can also supply you a variety of further designs. Do you have any special requirements? For example, for residual oxygen measurement. Please refer to us, we would like to give you an offer - free of charge and without any obligation!

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Port converter and software

A remarkable feature of the HYGROSENS portable measuring instrument is the integrated interface: With the help of a PC and our software PCLOG, the results of measurement are automatically documented in graphical form. The evaluation of data is done through various other tools, for example EXCEL™ or Matlab™.



RS 232 port converter for galvanically isolated connection of HYGROSENS Handy measuring instrument of HM-series to the serial interface of a PC, the converter is supplied over the interface, connection 9-pin Sub-D-socket

HM-SERINT 41.00 €



RS 232 port converter (5-way) for galvanically isolated connection of 5 Handy measuring instruments of HM-series to the serial interface of a PC, voltage supply through included plug-in type power supply unit, scope of supply: 9-pin SubD-connection cable, 5 measuring instrument connection cable of 1 m length, power supply unit

HM-SERINT5 87.25 €



USB port converter for connection of HYGROSENS Handy measuring instrument of HM-series to the USB interface of a PC, the converter is supplied through the USB port, connection USB-plug type B, scope of supply inclusive of driver CD for different operating systems

HM-USBINT 41.00 €



Adapter for connection of RS 232 devices to a USB-interface, 9-pin plug on USB-plug type B

ADA-RS232-USB 22.00 €

Connection-Adapter (25-pin Dsub-plug on 9-pin Dsub-socket)

ADA-25S-9B 1.55 €

Connection adapter (9-pin Dsub-plug on 25-pin Dsub-socket)

ADA-9S-25B 1.55 €

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Software

With the help of software PCLOG, the measured results can be automatically documented in graphical form. Together with the software Profilab, complex device control and automation projects can be produced through a simple graphical programming environment. Automate your laboratory projects in no time without writing a line of program code!

	<p>Windows-Software PCLOG, Easy-to-use online screen writer for data recording, visualising and archiving of measuring data, integrated Hx-calculator for thermodynamics humidity calculation, efficient print functions for documentation of curves, user friendly export functions over the clipboard for other window based software (OLE), limit value monitoring, acoustic warning signals. Control and switching functions over relay cards, virtual channels, formula editor for calculation and many more features. System requirements: Windows 98 or XP</p> <p>PCLOG-HM 33.62 €</p>
	<p>Windows-Software PROFILAB, universal measuring system and control software for professional applications, graphical programming with virtual instruments, extensive library of arithmetic and logical components, modules and virtual instruments. Operation through self-designed front end. Integration of measurements from external instrument in the regulation process, expert full version with compiler. System requirements: Windows 98 or XP</p> <p>PROFILAB 86.16 €</p>
	<p>Driver-DLL for the Handy instrument, Windows-function library for port communication between instrument of HM-series and user's own Windows based application software</p> <p>HM-DLL 53.90 €</p>
	<p>Universal USB Relay/Input card, two separate relay groups, each with 4 high rating relays 230V / 8A, eight potentially isolated inputs over opto-coupler for processing with "PROFILAB", Watchdog for protective tripping on communication failure, handy circuit, suitable for mounting in switchgear cabinet, 12V operating voltage, a power supply unit (Ordering No. NG-12V-HQ) and a USB-cable (Ordering No. KAB-USB) are required for operation.</p> <p>USB-REL8-IN8-12V 85.34 €</p>

Many other I/O-cards are also available for Profilab. Please ask for our detailed data sheet!

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Accessories – Handy measuring instrument

From us, you get the complete measuring system from a single source: In addition to the ready-to-connect precise measuring probes, we also offer an extensive range of accessories starting from matching protection bags to switching and regulation module.

	<p>Spare battery 9V, Type IEC 6F22, high quality alkali Manganese cell, Mercury and Cadmium free, 660 mAh, 3 years shelf life</p>
	<p>BATT-9VB 1.90 €</p>
	<p>Accumulator 9V, as an alternative to battery for continuous operation, high quality NiMH-model without memory-effect, high energy density, quick charging type, 500 cycles, capacity 200 mAh</p>
	<p>AKKU-9V-NIMH 10.55 €</p>
	<p>Charging unit for 1.2V and 9V accumulator NiCd and NiMH, Simultaneous quick charging of up to 4 cells, micro-controller based, auto diagnostics, refresh cycle, world wide compatible for input voltage range of 100... 240 V and included mains adapter</p>
	<p>LADGE-NIMH 59.00 €</p>
	<p>Plug-in power supply unit 12 V / 670 mA, high quality model, GS-certified, suitable for handy measuring instrument of HM-series, energy saving switch mode power supply unit with low no-load current, wide input voltage range 100 ... 240 V AC, 1.7m connection cable with DC plug 5.5 / 2.1 mm, compact design 86 x 62 x 30 mm, RoHS conformance</p>
	<p>NG-12V-HQ 17.20 €</p>
	<p>Switching module for handy measuring instrument, suitable for all instruments of the series HM with alarm functionality, adjustment of trigger levels is done on the instrument with the MIN/MAX value, the control of switching module is done through the serial interface, alternative alarm or regulation output, switching mode Normally open (NO) or Normally closed (NC), voltage supply 230 V, switched output plug point 230 V</p>
	<p>HM-AM3000 91.00 €</p>
	<p>Instrument protection bag of foam leather, robustly built, with window cut-out for display and keyboard, one round punched hole and another rectangular punched hole for sensor connections, suitable for HM610, HM630, HM691</p>
	<p>HM-ST-R1 19.50 €</p>
	<p>System carry case, for optimum protection of the measuring instrument, matching as per size for one or two instrument of HM-series and accessories, with foam material packing in the base with moulded pockets, supplied with bubble packing cover</p>
	<p>ZUB-KOF-HM1 (275 x 229 x 83 mm) 12.55 €</p>
	<p>ZUB-KOF-HM2 (394 x 294 x 106 mm) 26.75 €</p>
	<p>ZUB-KOF-HM3 (450 x 360 x 123 mm) 33.10 €</p>

Have you found everything that you need? This price list does not cover all the articles. Please contact us for your requirements of specific components; we can certainly help you further!

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