

Portavo 904 Oxy

Portable, sturdy process analyzer for oxygen measurement.

Up to 5,000 values can be recorded using the integrated data logger. Using the USB port and Paraly SW 112 software, the logger data can be easily transferred to a PC for evaluation.

Security Package, Including User Management

Professional user management regulates access to the device and the sensor.

- Increased security for configuration, calibration, measurement data, and data logger settings.
- No unauthorized interventions during the operating cycle
- Up to 4 user profiles can be set
- Different access rights can be established

Depending on the user's experience, the role profile can optionally be defined for configuration of the device and sensor or for sensor calibration. This clearly minimizes the risk of inadvertently changing settings.

Greater Reliability During Operation

Memosens sensors can be assigned directly to the Portavo using the data stored in the sensor, such as

Sensor type
TAG
Group

Unambiguous assignment of the sensor to the device reduces the potential for errors. This ensures that only the right sensors are used for the selected measuring point.

Facts and Features

- For use with amperometric Memosens oxygen sensors
- Measurement in liquids or in the gaseous phase
- Sensor quiver protects the sensor from drying out and damage
- The sturdy housing with IP66/67 protection is also suitable for outdoor use.
- Li-ion rechargeable battery
 - USB chargeable
- Data logger with 5,000 values
- Micro USB port and Paraly SW 112 operating software
- Mineral glass screen can still be read perfectly after many years
- User management for access control
- Sensor verification for clear assignment of the sensor to the device via sensor type, TAG, or group
- Temperature detector adjustment in the Memosens sensor (offset correction)



Oxygen Measurement



MEMO SENS

3-year
warranty

Specifications

Memosens input, oxygen	M8 socket, 4-pin, or M12 socket for Memosens laboratory cable		
	Display ranges ¹⁾	Saturation	0.000 ... 200.0 %
		Concentration	000 µg/l ... 20.00 mg/l
		Partial pressure	0.0 ... 1000 mbar
		Gas measurement	0.000 ... 100.0 %
	Temperature range ¹⁾	–20 ... 150 °C / –4 ... 302 °F	
Sensor adjustment	Automatic calibration in air, adjustable relative humidity		
	Data entry		
	Zero calibration		
	Temperature calibration (TAN option)	Software option SW-P002 for temperature detector adjustment in the Memosens sensor (offset correction)	
Storage	In quiver		
Connections	2 x socket Ø 4 mm for separate temperature probe 1 x M8 socket, 4-pin, for Memosens laboratory cable 1 x micro USB-B for data transmission to PC 1 x M12, 8-pin, for Memosens laboratory cable		
Display	LCD STN 7-segment display with 3 lines and icons		
	Sensoface	Status display (friendly, neutral, sad)	
	Status indicators	For battery condition, logger	
	Notices	Hourglass	
Keypad	[on/off], [cal], [meas], [set], [▲], [▼], [STO], [RCL], [clock]		
Data logger	Space for 5,000 entries		
	Recording	Manual, interval- or event-controlled	
MemoLog calibration data logger (Memosens only)	Can save up to 100 Memosens calibration records – recording can be shown on the display – directly readable via MemoSuite (USB): Manufacturer, sensor type, serial no., zero point, slope, calibration date		
Communication	USB 2.0		
	Profile	HID, driverless installation	
	Usage	Data transfer and configuration via the Paraly SW 112 software	
Diagnostic functions	Sensor data (Memosens only) Manufacturer, sensor type, serial number, operating time		
	Calibration data	Calibration date; zero point, slope	
	Device self-test	Automatic memory test (FLASH, EEPROM, RAM)	
	Device data	Device type, software version, hardware version	
Data retention	Parameter, calibration data > 10 years		
EMC	EN 61326-1 (General requirements)		
	Emitted interference	Class B (residential)	
	Immunity to interference	Industrial applications	
	EN 61326-2-3		
RoHS conformity	According to Directive 2011/65/EU		
Power supply	4 x AA (Mignon) alkaline batteries or 1 x Li-ion rechargeable battery (rechargeable via USB)		
	Operating time	Approx. 1000 h (alkaline)	

Oxygen Measurement

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Rated operating conditions	Ambient temperature	–10 ... 55 °C / 14 ... 131 °F
	Transport / storage temp.	–25 ... 70 °C / –13 ... 158 °F
	Relative humidity	0 ... 95 %, brief condensation permissible
Housing	Material	PA12 GF30 (silver gray RAL 7001) + TPE (black)
	Ingress protection	IP66/67 with pressure compensation
	Dimensions	Approx. 132 x 156 x 30 mm / 5.2 x 6.14 x 1.18 inches
	Weight	Approx. 500 g / 1.10 lbs

1) Ranges dependent on sensor