

Water Quality Meters

WTW Multi 1970i Water Quality Meter

With its unmistakable WTW design, extreme ruggedness and field durability, the new Multi 1970i incorporates greatly enhanced specifications, calibration capabilities, features, and functions. Measure pH (or ORP), Dissolved Oxygen, Conductivity, and Temperature. Take measurements with cable lengths to 330 feet and experience the reliability of the WTW industry including a 3-year meter warranty.

FEATURES

- The new Multi 1970i is waterproof (IP66), submersible (IP67), and floats
- Extremely user friendly, it provides a high degree of operator convenience
- The Multi 1970i includes GLP-conforming memory (500 data sets) with real-time clock, RS 232 interface and recorder output
- This rugged meter simultaneously measures pH (or ORP), Dissolved Oxygen, Conductivity, and Temperature with standard Electrodes (to 66 feet)
- Individual depth armatures are also available for simultaneous measurements of DO, Conductivity, and Temperature from 80 to 330 feet.
- The meter's carrying handle doubles as a stand/support, which can easily be detached when using the neck strap
- Single parameter versions available.



SPECIFICATIONS

	pH measurement	Oxygen measurement	Conductivity measurement
Measuring range/resolution	pH: -2.00 to +19.99 mV: -1999 to +1999	O ₂ concentration: 0.00 to 19.99 mg/l 0.0 to 90.0 mg/l O ₂ saturation: 0.00 to 19.99% 0.0 to 600%	1 μS/cm to 500 mS/cm in 4 measuring ranges Salinity: 0.0 to 70.0 ppt
Accuracy (±1 digit)	pH: ±0.01 pH, mV: ±1 mV	±0.5% of value	±1% of value
Temperature compensation	Automatic -5° to +105°C Manual -20° to +130°C	Automatic via IMT Compensation from 0 to 40 °C	Linear and non-linear functions for ultrapure and natural waters acc. to DIN 38 404 and EN 27 888 20/25°C selectable
Reference temperature	–	–	
Calibration	1-2 point calibration with technical buffers	automatic calibration	
Sensor evaluation	Depends on calibration results, shown on display		
Calibration alarm	1 to 999 days, adjustable		
AutoRead	For pH, O ₂ , and conductivity		
Calibration protocol	GLP-conforming calibration protocol; last protocol stored in memory		
Data memory	500 data sets		
Operating time	Continuous operation from power adapter; or 150 to 800 hours with rechargeable batteries (depends on conductivity) with Auto Switch off after 1 hr		
Interface/Data output	Serial RS 232 interface, baud rate adjustable, bi-directional (also used as analog recorder output)		

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