



# Multi 1970i Portable Multiparameter Meter

Portable multiparameter meters that combines handheld convenience with benchtop features.



- Robust, water proof and field ready
- Up to three deep water probes can be used at once
- Long life and powerful NiMH rechargeable batteries

## Specifications

### Ranges:

pH: -2 to 19.99  
 mV: -1999 to 1999  
 O<sub>2</sub> conc.: 0.00 to 19.99 mg/l, 0.0 to 90.0 mg/l  
 O<sub>2</sub> saturation: 0.00 to 19.99 %, 0.0 to 600 %  
 Conductivity: 0.0 µS/cm to 500 mS/cm in 4 ranges  
 Salinity: 0.0 to 70.0

### Accuracy (±1 digit):

pH: ±0.01 pH  
 mV: ±1.0 mV  
 O<sub>2</sub> conc.: ±0.5% of value  
 Conductivity: ±1.0% of value

Air Pressure Comp.: Automatic with built-in pressure sensor for dissolved oxygen measurements

Salinity Correction: Automatic or manual for dissolved oxygen measurements

Ref. Temperature: 68 °F/77 °F (20 °C/25 °C) selectable for conductivity measurements

### Ambient Conditions

Storage: -13 to 149 °F(-25 to 65 °C)  
 Operation: 14 to 131 °F(-10 to 55 °C)

Climatic Class: 2

Output: RS-232

Display: Multi-line LCD

Electrical Safety: Protective class III

Ingress Protection: IP 67

Power: Rechargeable NiMH battery

Battery life: Apprx. 600 hr per charge with power pack/charger

Dimensions: 3.54x7.87x7.48 in (90x200x190 mm)

Weight: 3.3 lb (1.5kg) (without plug-in power supply)

Certifications: CE

## Description

The robust and user friendly WTW ProfiLine Multi 1970i Portable Multiparameter Meters are both hose down-proof (IP 66) and submersible (IP 67). With its recorder output, real-time clock and 500 data file data logger standard, the rugged meters conform to all GLP requirements. Designed for multitasking to make your job quicker and easier, the Multi 1970i allows the simultaneous connection of pH, conductivity and oxygen sensors. An intuitive user interface makes it easy for the meter to measure a parameter and store in memory. Field ready, the Multi 1970i features powerful NiMH rechargeable batteries (up to 600 hours or operation per charge) and is equipped with a carrying/support handle and carrying strap as standard.

### Deep Water Measurement of Oxygen, pH and Conductivity

The Multi 1970i Portable Multiparameter Meters have a convenient built-in preamplifier to work with the WTW deep water sensors for single-parameter operation at depths down to 330 ft (100 m). Up to three deep water sensors can be simultaneously connected to the meters using the adapter ADA/TA 197 pH. The WTW deep water sensor assemblies are pressure resistant up to 145 psi (10 bar), have an integrated temperature measurement, steel armoring, a screw-on protective hood and are available with up to 330 ft (100 m) of cable with a waterproof plug (IP 67). These compact sensors will even fit small monitoring wells down to 2" (50 mm). Choose one or all three: TA 197 Oxi oxygen probe, TA 197 pH pH probe or TA 197 LF 4-electrode conductivity probe.

## Options and Accessories

### Multi 1970i Portable Multiparameter Meter

**TA 197 Oxi-25** Deep water oxygen sensor w/82ft (25m) cable

**TA 197 pH-25** Deep water pH sensor w/82ft (25m) cable

**TA 197 LF-25** Deep water cond sensor w/82ft (25m) cable

**ADA/TA 197 pH** Connection accessory for up to three sensors

### Regional Distributor



**Global Water**  
 The Leader in Water Instrumentation

803, Riqqa Palace Building  
 Al-Maktum Ave. opposite Deira Etisalat  
 P.O.Box 181802 Dubai, UAE  
 Tel: +9714 - 2270081  
 Fax: +9714 - 2239962  
 E-mail: rcsco@eim.ae  
[www.rcs-co.com](http://www.rcs-co.com)



**Rabbit Control Systems**  
 Automation & Control Engineering

Contact  
 Global Water  
 for all your  
 instrumentation  
 needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control