



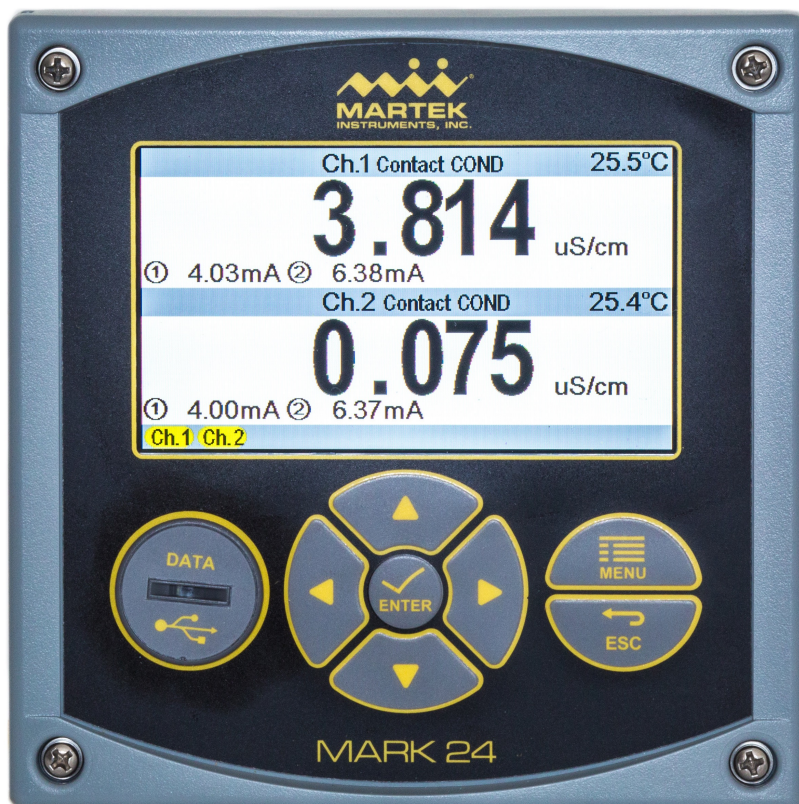
MARTEK® MARK 24

MARK 24 ULTRAPURE WATER QUALITY ANALYZER

MARTEK INSTRUMENTS INC. MANUFACTURERS OF WATER QUALITY INSTRUMENTATION

... for accurate, continuous, in situ monitoring of multiple ultrapure water quality measurements

- Large, colorful screen displays up to four sample points simultaneously
- User-friendly interface and easy-to-use menus in seven languages
- Up to eight current outputs
- Up to six alarm and control relays
- Multiple digital communication protocols
- NEMA 4X, IP66 waterproof rated case allows for ½ DIN panel, pipe, or wall-mounted applications
- Field-compatible upgrades via USB data port



The Martek Mark 24 Ultrapure Water Quality Analyzer provides laboratory accuracy in a multi-channel, multi-parameter on-line instrument for continuous monitoring of high purity water quality.

Designed to provide maximum flexibility and value, the Mark 24 provides real-time measurement for up to four separate parameter inputs to permit custom configurations for a variety of process applications. Data is displayed in direct engineering units via a large color display in user-selectable languages that include English, Spanish, French, German, Italian, Portuguese, and Chinese.

Installation and calibration are easy and require a minimum of experience. Housed in a standard ½ DIN enclosure, the Mark 24 easily replaces inoperative or obsolete equipment without modification to existing sample panels. Analog and digital protocols provide maximum flexible communications and field-configurable upgrades are easily accomplished via the USB data port.

The Mark 25 is ideal for all high purity processes in nuclear and high-performance fossil fuel power plants; condensate polishing systems and demineralizers; semiconductor and pharmaceutical manufacturing plants; and other industrial applications.

MARTEK MARK 24 SPECIFICATIONS

Parameter	Range	Resolution	Accuracy
Temperature	0 - 100 °C	+0.01 °C	0.1 °C
Conductivity	0 - 1.000 μS/cm	0.001 μS/cm	+0.01 μS/cm
	0 - 10.00 μS/cm	0.01 μS/cm	+0.1 μS/cm
	0 - 100.0 μS/cm	0.1 μS/cm	+1.0 μS/cm
pH	0-14 pH	0.01 pH	+0.1 pH
ORP	-2000 to +2000 mV	1 mV	+0.1 mV

Power	100-240 VAC, 50/60 Hz, 0.4A Max @ 25° C. Optional 24VDC
Recorder Output	Two isolated, assignable, current loops per sensor (standard). Full featured PID control for conductivity or pH.
Digital Protocol	MODBUS RTU, DeviceNet, Profibus DP/V1, Ethernet/IP
Alarm Output	Three Form C Relays (standard): 5A, 250 V. Additional three Form C Relays optional
Environmental	Ambient operating temperature range: -20 to 60 °C
Weight	2 lbs (0.9 kg) including sensor with 10 ft (3 meters) cable
Approvals	CE: EN6100 -4-2, -4-3, -4-4, -4-5, -4-6, -4-11
Warranty	Two years



ORDERING INFORMATION

P/N 184-10	Mark 24 Analyzer
P/N 180-21	Flow-thru Conductivity Sensor with 10 ft. (3 meter) cable. Additional cable available up to 150 ft.
P/N 184-24	pH Sensor
P/N 180-51	Stainless Steel Flow Chamber for pH
P/N 180-51A	Stainless Steel Adapter Plug with temperature element for pH

NOTE: All prices FOB Factory. Specifications and prices subject to change without prior notice. Warranty subject to certain conditions. For complete warranty information, contact the factory.



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