

Water Quality Circular Chart Recorder

MRC 5000 -P

pH or ORP Recorder

Features:

- pH or ORP
- Isolated 4 to 20mA output
- NEMA 3 enclosure
- 8, 12, 48 Hr or 7 day chart rotation
- RS-485 communications
- 3yr warranty
- Input to output isolation
- Single or dual alarm relay outputs
- Programmable chart speed
- 0.5% Recorder Accuracy
- UL, CSA, CE approved

Description: The MRC 5000-POC is a 10" circular chart recorder designed to record water quality measurements. The input can be configured for pH, or ORP. The chart speed is user configurable in increments of: 8 hr, 12 hr, 24 hr, 48 hr or 7 days. It comes with 1 or 2 alarm/control outputs. Operations interface is through a 3 button keypad and a 4 digit display. Programming is preset for pH, ORP Control setpoints alarms, chart speed may be operator programmed to suit any applicator. An isolated 4-20mA signal is optional on this recorder and RS-485 serial communications interface is also optional.

UL CSA and CE approvals are standard.

Specifications:

Recording

Type: Disposable fiber-tip.
 Pen Color: Pen 1-Red,
 Chart Size: 10"
 Chart Drive: Stepper motor
 Chart Rotation: User configurable: 8 hr, 12 hr, 24 hr, 48 hr, or 7 day.
 Chart Recording Accuracy: 0.5% of chart span reference accuracy
 Chart Rotation Accuracy: 0.5% of rotation time, assuming all backlash removed.

Alarms

Number: Up to two process alarms
 Type: Process high or low.
 Hysteresis: Fully adjustable, 0 to 200 units, single-sided.

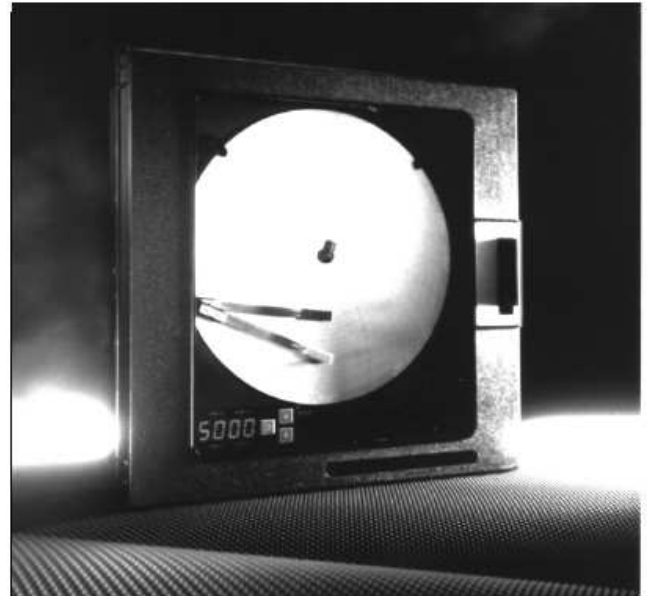
Security: Alarm setpoint changes can be prohibited.

Relay Outputs

Relays: SPDT, contacts rated 5A resistive at 115V AC, 2.5A resistive at 230V AC, 1/8 HP at 230V AC (single phase), 250VA at 115/230V AC

Construction

Enclosure: Injection molded Noryl case and cover with acrylic window.
 NEMA Rating: NEMA 3
 Overall Dimensions: 14" W X 14" H X 3.8" D (355.6mm X 355.6mm X 95.6mm)
 Weight: 15lbs max.
 Power Requirements
 Line Voltage: 90-264V AC, 50/60 Hz
 Power Consumption: 18VA Max.



pH input

Range.....0-14 pH
 input impedance.....>10 Ω²⁰
 current output.....4-20mA isolated
 input electrode.....any BNC connected
 combination electrode
 accuracy ± .02 pH

ORP input

Range.....-1000 mV to +1000 mV
 input impedance..... >10 Ω²⁰
 current output.....4-20mA isolated
 input electrode..... any BNC connected
 combination electrode
 accuracy ±2mV

Ordering Information:

PART#	DESCRIPTION	PRICE
MRC-5000-P-I	Isolated pH, or ORP or PPM Recorder only	\$ 1,052.00
MRC-5000-P	Non Isolated pH or ORP Recorder	\$ 982.00
OPTIONS		
-1	Single Control Outlet	\$ 106.00
-2	2 nd Control Outlet	\$ 77.00
-485	RS485 Communications	\$ 100.00