



AP-IK DIGITAL SALINITY MONITOR

McNab, Incorporated

DESCRIPTION

The Aqua Purometer IK Digital Salinity Monitor incorporates the most recent developments in electronic technology to provide convenience, accuracy, and dependability destined to become the industry standard for dissolved solids monitoring systems.

This caseless instrument is designed to mount with four screws into the OEM enclosure. There are no loose wires to short out.

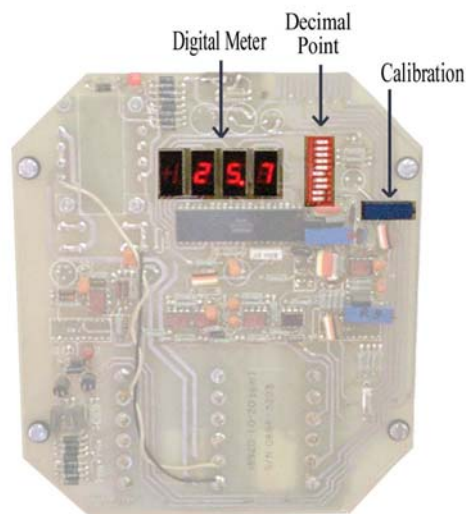
The McNab Aqua Purometer IK Digital Monitor is an advanced electronic monitoring system used to determine the concentration of dissolved solids in water. The AP-IK provides continuous on-line monitoring of solutions covering the entire spectrum, from ultra-pure water (0 to 2 PPM NaCl range) to highly concentrated solutions (0 to 200,000 PPM NaCl range) with four ranges in between. Other meter scales (micromho) may be ordered to fill your requirements.

This versatility makes the AP-IK the ideal monitor for water processing equipment, effluent analysis, pharmaceutical processing, food processing, and all water purification processes, including reverse osmosis.

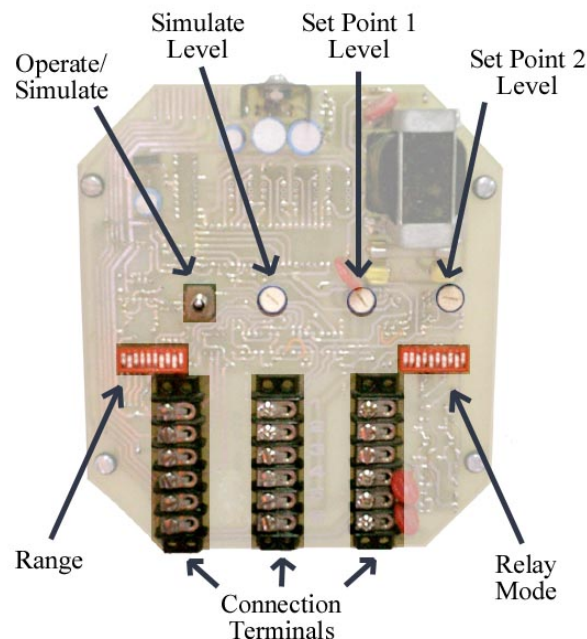
Dual controller circuitry and a remote output allow the AP-IK user the option of driving a great variety of peripheral indication and control equipment such as a remote meter, alarm bell, strip-chart recorder, and flow control valves. The remote output may even be used to integrate the AP-IK in an automatic chemical dosing control system of the user's design.

SPECIAL FEATURES

- Easy to read digital meter
- Size: H 7 3/8" x W 6 1/2" x D 1"
- Choice of 6 linear ranges
- Relay controller outputs, intervention and dump
- Remote linear output
- Matches military style cells
- Easily incorporated into OEM console
- Bright LED display
- MTBF in excess of over 80,000 hours
- Test operation with Simulate mode



DISPLAY SIDE



CONNECTIONS SIDE

20 North MacQuesten Parkway ♦ Mount Vernon, New York ♦ 10550 U.S.A.
Phone: (914) 699-1616 ♦ Fax: (914) 699-1671
info@themcnab.com ♦ www.themcnab.com



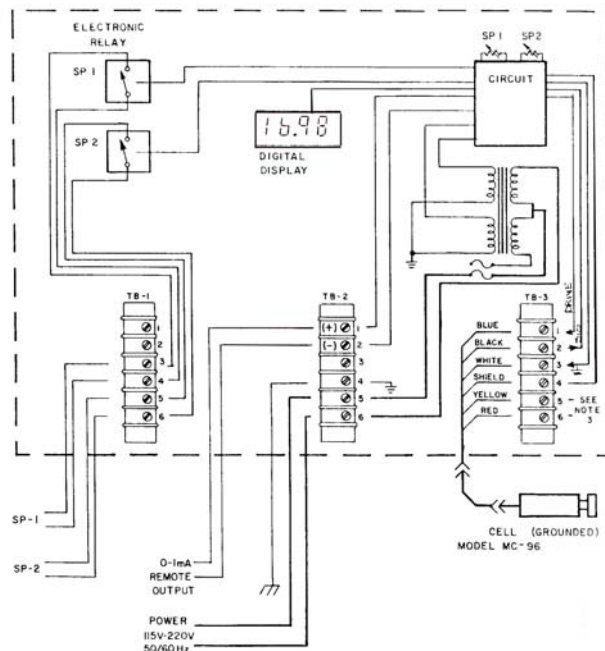
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TECHNICAL DATA See manual Reference data

Ranges Available	0-2, 0-20, 0-200, 0-2,000, 0-20,000, 0-200,000 PPM (NaCl); consult McNab, Inc. for other meter scaling
Operating Method	Linear
Accuracy Span	Better than 2% of full scale as calibrated
Accuracy Zero	Automatic self-zero referencing
Controller	Controller for high/low alarm action, or prior warning and final alarm action; alarm setpoints are viewed on meter during set-up procedure; controller contacts rated for ½A or 3A @ 120 VAC (resistive)
Remote Output	Linear 0-1 mA (DC) @ < 1kΩ Isolated ISO 4-20 mA DC
Calibration	Fully automatic zero calibration; precise span calibration using calibration-type CTU
System Operation Check	Tests AP-IK and all peripheral equipment to assure proper operation of complete system.
Cell Temperature Compensation	Temperature compensated to 77°F (25°C) across a range of 32°F (0°C) to 180°F (82°C)
Temperature Range	32°F to 149°F (0°C to 65°C)
Power Requirements	105 to 130 VAC, 49 to 65 Hz @ <¼A, or 230 VAC ±10%, 49 to 65 Hz @ ½A, user selectable, or 24 VDC
Weight	Approximately 5 lb. (panel); approximately 1-5 lb (cell)
Design Criteria	Designed I.A.W. MIL-S-901 (Shock) and MIL-V-167-1 (Vibration)

CONNECTIONS



TYPICAL CELLS

