

Operating Specifications**ELECTRICAL CHARACTERISTICS**

Power Supply	<ul style="list-style-type: none"> • 4.8-volt battery pack of four nickel-cadmium cells
Battery Pack Capacity	<ul style="list-style-type: none"> • 1.8 ampere hour
Battery Pack Recharge Time	<ul style="list-style-type: none"> • 14-16 hours (overnight) with recommended chargers
Typical Battery Pack Life	<ul style="list-style-type: none"> • 300 or more charging cycles

OPERATING AND PHYSICAL CHARACTERISTICS

Flow Control	<ul style="list-style-type: none"> • Volumetric flow rate is controlled at the set-point with automatic compensation for battery voltage, altitude, temperature, and sample load changes
Operating Range	<ul style="list-style-type: none"> • 0.5 TO 3.0 LPM • 30 inches of water load up to 2.0 LPM, 20 inches up to 2.5 LPM, and 10 inches up to 3.0 LPM
Flow Blockage Detection	<ul style="list-style-type: none"> • When flow is blocked the FLOW FAULT LED indicator lights and stays lighted until the cause of flow blockage is removed. If blocked for longer than 1.5 minutes, the pump shuts down
Flow Readout	<ul style="list-style-type: none"> • Liquid crystal digital display with 0.01 LPM resolution from 0.5 to 3.0 LPM • Accuracy $\pm 2.5\%$ from 1.0 to 3.0 LPM.

Operating Specifications

Elapsed Time Readout	<ul style="list-style-type: none"> • Quartz controlled timer reads out to 999 minutes in 1-minute steps. Holds last reading after either flow or battery shut-down, and when pump is OFF or in HOLD mode; resets to zero automatically when pump is turned ON
Operating Time	<ul style="list-style-type: none"> • Varies with flow rate and sampling device loading. Minimum eight-hour operation at 2.5 LPM with 15-inch water load. (See FIGURE 3-1.)
Low Battery Function	<ul style="list-style-type: none"> • LOW BATT warning at 4.3 volts • The pump shuts down and lights the LOW BATT LED when battery voltage drops below 4.1 volts
Temperature Compensation	<ul style="list-style-type: none"> • 0 to 45° C (32 to 113° F)
Altitude Compensation	<ul style="list-style-type: none"> • Below sea-level to at least 10,000 ft.
Dimensions	<ul style="list-style-type: none"> • 2 inches deep x 4 inches high x 3-7/8 inches wide (5.1 centimeters deep x 10.3 centimeters high x 9.8 centimeters wide)
Weight	<ul style="list-style-type: none"> • 19 oz. (550 grams)
Case	<ul style="list-style-type: none"> • Case plastic is electrically conductive to reduce radio frequency interference
Serial Number Identification	<ul style="list-style-type: none"> • Located on the side of the case under the battery pack (include number in correspondence with MSA)