

Rental – Personal Air Sampling Pump

SKC Model 224-PCXR8 Personal Sample Pump

The result of extensive research and development, the PCXR8 air sampling pump is a constant flow personal or area sampling pump suited for a broad range of applications. With an operating range of 5 to 5000 ml/min (low flow applications of 5 to 500 ml/min require an optional adjustable low flow holder), this battery-operated air sample pump is ideal for industrial hygiene studies as well as environmental testing. Specifically designed for "on-worker" and "fenceline" applications.

FEATURES

- On-board computer makes operation easy
- Unattended sampling for periods up to 7 days
- Multiple tube sampling capability
- Compensation with high back pressure
- Quiet-running package
- Wide range of flow rates
- Energy-efficiency
- Programmable timing
- One-year warranty
- Pulsation-free flow
- Impact-resistant case



APPLICATIONS

The PCXR8 air sampling pump is typically used with collecting devices such as:

- Sorbent sample tubes and Long-duration detector tubes for collecting most hazardous chemical gases and vapors from the air
- Cyclones for collecting respirable dust
- IOM samplers for collecting inhalable dust
- Filters for collecting total dust, asbestos, or chemical hazards
- Tedlar sample bags for collecting airborne chemical hazards
- Impingers for collecting reactive chemicals into liquids

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
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SPECIFICATIONS

Operating Range	5 to 5000 ml/min (UL Listed model) (5 to 500 ml/min requires the 224-26 series Adjustable Low Flow Holder) 5 to 3000 ml/min (MSHA approved model)
Weight	33 ounces (936 grams)
Dimensions	5.1 x 4.7 x 1.9 inches (13 x 11.9 x 4.8 centimeters)
Compensation Range	1000 to 2500 ml/min at 40 inches water back pressure 3000 ml/min at 35 inches water back pressure 4000 ml/min at 20 inches water back pressure
Flow Control	± 5% Set point constant flow
Run Time	8 hours minimum at 4000 ml/min and 20 inches water back pressure. Dependent on media used.
Flow Indicator	Built-in flow indicator with 250 ml division; scale marked at 1, 2, 3, 4, and 5 L/min
Power Supply	6.0 V plug-in NiCad battery pack, rechargeable, 2.0 Ah capacity
Intrinsically Safe	UL Listed for: Class I, Groups A, B, C, D; Class II, Groups E, F, G and Class III. Temp Code T3C ATEX-approved models available, contact SKC Ltd,
Operating Temperature	-4° to 113° F (-20° to 45° C)
Storage Temperature	-40° to 113° F (-40° to 45° C)
Charging Temperature	41° to 113° F (5° to 4° C)
Operating Humidity	0 to 95% Relative
Flow Fault	Fault Shutdown with LCD indicator and time display retention if flow is restricted
Battery Test	LCD shows battery condition prior to sampling
Time Display	LCD shows sampler run time in minutes for sampling period elapsed time, pump run time, or total elapsed time including delayed start time
Delay On	Allows user to select minutes to delay start of test up to 9999 minutes (7 days)
Timed Shutdown	Allows user to select minutes of operation before automatic shutdown. Timed shutdown maximum is 9999 minutes (7 days)
Timing Accuracy	± 0.05% (± 45 seconds/day)
Intermittent Sampling	Programmable to allow user to extend short-term samples over an extended period of time to meet time weighted average (TWA) requirements with a reduced number of samples. Elapsed time maximum is 9999 minutes (7 days), at which time the sample pump shuts down.
Sampling Pause	Allows user to temporarily halt sampling without loss of timing data. Restart does not require resetting time
Multiple-tube Sampling	Built-in constant pressure regulator allows user to take up to four simultaneous tube samples at different flow rates up to 500 ml/min each (total combined flow 1350 ml/min maximum) using the optional adjustable low flow holder accessory
RFI/EMI Shielding	Complies with requirements of EN 55022, FCC Part 15 Class B, EN 50082-1 Frequency range of the radiated susceptibility test was 27 to 1000 MHz CE marked.
Additional Specifications	Built-in fluid/particulate trap External see-through filter housing Tamper-resistant control cover Tamper-resistant compensation adjustments Built-in accessory mount Stainless steel belt clip Built-in fluid/particulate trap External see-through filter housing Tamper-resistant control cover Tamper-resistant compensation adjustments Built-in accessory mount Stainless steel belt clip

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