

Universal XR Series Sample Pumps

Classic Workhorse from 5 ml/min to 5 L/min

Flows: 5 to 5000 ml/min

- ⊙ Constant flows from 1 to 5 L/min
- ⊙ Low flows with holder from 5 to 500 ml/min
- ⊙ Long run times — 12+ hours at 4000 ml/min, 20 inches water back pressure
- ⊙ Heavy duty and lightweight — only 34 ounces (964 grams)
- ⊙ Built-in low flow pressure regulator for multi-tube sampling
- ⊙ Choose the automatic features that meet your requirements
- ⊙ Professionals choice since 1982

Certifications			
	<i>ATEX-approved models available; contact SKC</i>		
			<i>models available; contact SKC</i>

NiMH BATTERY
for longer run times



Universal 44XR
The Economical Solution

Turn on and sample!

- ⊙ Economical
- ⊙ Basic operation
- ⊙ Convenient flow indicator
- ⊙ Designed for rugged industrial environments



Universal PCXR4
The Compliance Solution

Enhanced with additional features:

- ⊙ **Automatic fault shutdown and time retention**
 - Pump shuts down and retains sampling time when battery is low or there is excessive back pressure to ensure sample integrity
- ⊙ **High-accuracy timer**
 - Built-in timer provides instant readout of sampling duration.
- ⊙ **Convenient hold feature**
 - Allows for breaks



Universal PCXR8
The Programmable Solution

Enhanced with programmability!

- ⊙ **Built-in high-accuracy timer**
 - Sample duration readout
- ⊙ **Convenient hold feature**
- ⊙ **Automatic fault shutdown/time retention**
 - Ensures sample integrity upon low battery or excess back pressure
- ⊙ **Delayed start**
 - Set number of minutes to elapse until sample start
- ⊙ **Timed shutdown**
 - Set number of minutes of operation until shutdown
- ⊙ **Intermittent sampling**
 - Extend short-term samples over an extended period to meet TWA requirements with fewer samples
 - Extended intermittent sampling up to 7 days — ideal for fence line monitoring!





Universal XR Sample Pumps

Performance Profile	
Flow Control Accuracy	Holds constant flow to $\pm 5\%$ of set point
Timing Accuracy	$\pm 0.05\%$ (± 45 seconds per day)
Typical Run Time	Battery: 12 hrs minimum at 4000 ml/min and 20 inches water back pressure, dependent on media used Battery Eliminator: Pump provides extended runs. PCXR4 and PCXR8 display rolls over to 0 upon reaching 9999 min
Charge Time (varies with battery capacity and level of discharge)	6 to 8.5 hrs with PowerFlex charger
Temperature Range	Operating: 32 to 113 F (0 to 45 C) Storage: -4 to 113 F (-20 to 45 C) Charging: 50 to 113 F (10 to 45 C)
Operating Humidity Range	0 to 95% non-condensing
Timer Display Range	PCXR4 and PCXR8 only: 1 to 9999 min (6.8 days)
Timed Shutdown	PCXR8 only: User-selectable time of operation before automatic shutdown. Maximum setting is 9999 min (6.8 days)
Delay On	PCXR8 only: User-selectable time to delay test. Maximum setting is 9999 min (6.8 days)
Intermittent Sampling	PCXR8 only: User-selectable parameters to extend short-term samples over an extended period. Elapsed time maximum is 9999 min (6.8 days).
Flow and Low Battery Fault	PCXR4 and PCXR8 only: Pump shuts down, timing functions pause, time display is retained, and LCD indicates flow or low battery fault.
Dimensions	5.1 x 4.7 x 1.9 in (13 x 11.9 x 4.8 cm)

Ordering Information

Universal XR Pumps require 1/4-inch ID tubing.

Universal XR Sample Pumps		
Sample pump with NiMH battery pack and screwdriver set. Low flow (5 to 500 ml/min) requires adjustable low flow holder.		
PCXR8 Universal Sample Pump, requires charger		Cat. No. 224-PCXR8
PCXR4 Universal Sample Pump, requires charger		224-PCXR4
44XR Universal Sample Pump, requires charger		224-44XR
Universal XR Starter Kits		
Include pump with NiMH battery pack, single PowerFlex charger with cable, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie		
PCXR8 Starter Kit	100-240 V	224-PCXR8-S
PCXR4 Starter Kit	100-240 V	224-PCXR4-S
44XR Starter Kit	100-240 V	224-44XR-S
Single Pump Kits		
Include sample pump with NiMH battery pack, single PowerFlex charger with cable, adjustable low flow holder attached to Type A protective tube cover, filter cassette holder, and screwdriver set, in a convenient soft-side nylon carry case†		
PCXR8 Single Pump Kit	100-240 V	224-PCXR8KD
PCXR4 Single Pump Kit	100-240 V	224-PCXR4KD
PCXR4 Single Pump Kit with IOM, does not include cassette holder	100-240 V	224-PCXR4PK
44XR Single Pump Kit	100-240 V	224-44XRKD
5-pack Pump Kits		
Include 5 each sample pumps with NiMH battery packs, adjustable low flow holders attached to Type A protective tube covers, filter cassette holders, and screwdriver sets, and one 5-station PowerFlex charger with 5 cables, in a Pelican case		
PCXR8 5-pack Pump Kit	100-240 V	224-PCXR8K5D
PCXR4 5-pack Pump Kit	100-240 V	224-PCXR4K5D
44XR 5-pack Pump Kit	100-240 V	224-44XRK5D
Replacement Parts and Accessories		
Replacement Battery Packs	NiMH for XR models*	P21661MH*
Replacing batteries with non-approved battery packs voids any warranty and UL intrinsic safety approvals.	NiCad for XR models*	P21661*
	NiCad for MSHA models	P22434
Battery Eliminator , connects pump to line power for extended sampling	115 V	223-325
	230 V	223-325B

* Not suitable for MSHA-approved models

† Single kits also available in hard-sided Pelican case. Contact SKC for ordering information.

Quick View

Flow Rate (ml/min)
5 to 5000
Weight in Ounces (grams)
34 (964)
Compensation Range (inches water)
Up to 40 at 2 L
Built-in Timer/Clock
Timer — PCXR4 and PCXR8 only
Constant Flow
Yes
Programmable
PCXR8 only
PC-compatible
N/A
Multi-tube Sampling
Yes
Flow Fault Feature
PCXR4 and PCXR8 only
RF/EMI Shielded
Yes
Intrinsically Safe — UL Listed
Yes
MSHA-approved Models Available
Yes
ATEX Models Available
Yes
CE Marked
Yes
Corrects for Changes in Atmospheric Pressure
N/A
Corrects for Changes in Temperature
N/A
Battery Type
NiMH (6.0 V, 3.5 Ah)
Battery Check
PCXR4 and PCXR8 only
Tubing
Requires 1/4-inch ID tubing

Recommended Accessories
Chargers
Battery Eliminator
Defender Calibrator
Cat. No. 717-510M
Adjustable Low Flow Tube Holders
Filter Holders
Tubing
Cases/Pouches

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skinc.com/warranty.asp>.