

# PowerFlex

## Smart, Flexible Charging System for SKC Personal Pumps

► **Small, lightweight, and portable**

- 5-station weighs only 0.5 kg (1.1 lbs)
- Designed for easy portability

► **Patented‡ reflex-charging technology for maximum battery performance**

- Does not promote memory
- Saves time — no discharging required
- Improves battery life by maintaining low internal temperature and pressure
- Same technology as used on the NASA space shuttle

► **Smart System**

- Continuously monitors charging voltage and automatically switches to trickle mode at full charge
- Uses an advanced technique to prevent damage to batteries from overcharging and high temperatures

► **Fast — ≤ 6-hr recharge time for pumps**

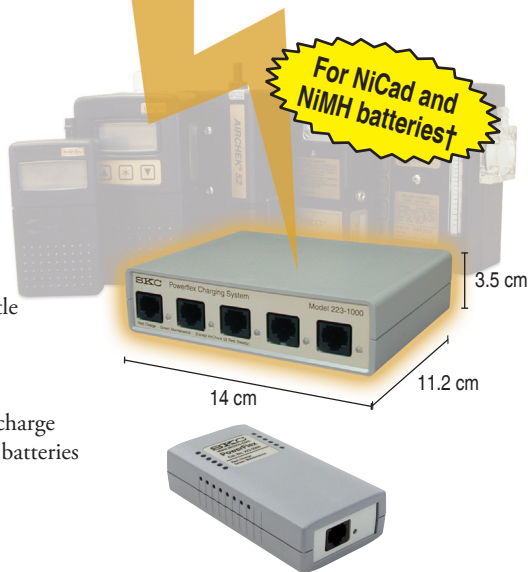
► **Maintains charge safely**

- Pulse-type trickle keeps pump fully charged and ready for use without damage

► **One charger for most SKC personal sample pumps**

- Use with U.S.-produced pump models AirChek 2000, AirChek 52, 222, and Universal XR Series†
- Charge different models simultaneously on the 5-station PowerFlex
- Ideal for NiCad and NiMH batteries†

► **CE marked**



### One Charger Does It All!

Only the advanced SKC PowerFlex® battery charging system can provide flexibility in charging your fleet of SKC personal air sampling pumps. There is no need to carry multiple chargers for multiple pumps. PowerFlex can be used with most U.S.-produced SKC personal sample pumps that use a NiCad or NiMH battery. The five-station PowerFlex can charge different SKC pump models simultaneously.

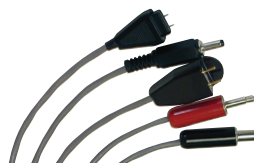
Description		Cat. No.
<b>PowerFlex Single†</b>	120 V	223-2000*†
<i>Purchase pump-specific cables separately; choose from the list below.</i>	100-240 V	223-2000B*†
<b>PowerFlex 5-station*†</b>		
<i>Purchase pump-specific cables separately; choose from the list below.</i>	100-240 V	223-1000*†

\* PowerFlex is CE marked when used with the power supply provided by SKC; power supply is UL and cUL listed for electrical safety.

† For use with U.S.-produced pump models only. **Not compatible with EX and ATEX pump models.**

### PowerFlex Pump-specific Cables

PowerFlex pump-specific cables are the key to PowerFlex convenience and flexibility. Need to charge pumps in the field? Simply store your charger and cables in one small carry case, pack your pumps, and go; no multiple chargers needed, only one AC outlet required. Economical cables are available separately so you only order the cables that you need. **Not suitable for EX and ATEX pump models.**



Description	Cat. No.
<b>AirChek 2000</b>	223-1001
<b>Universal XR Series (5 cell)</b>	223-1002
<b>AirChek 52</b>	223-1004
<b>222</b>	223-1005

## ABOUT

### PowerFlex Technology

Charging NiCad/NiMH batteries is generally accomplished by applying constant current to the battery. SKC PowerFlex Chargers use a technology that is new to industrial hygiene equipment batteries. Reflex charging‡ delivers pulses of current instead of constant current to charge batteries. In between pulses, PowerFlex applies short reverse pulses that discharge the battery slightly and short pauses. This eases the battery into a full and uniform charge. It helps to prevent dramatic increases in internal temperature and pressure that can damage the battery and shorten its life.

‡ Patented by Galaxy Power, Inc.



PowerFlex Single shown with AirChek 2000 sample pump

### Carry Case

Nylon case for 5-station PowerFlex includes padded shoulder strap and compartment for cables.



Cat. No. .... 224-903