







3.5.3 Single point calibration (SPC)

The display of set temperature and actual temperature is accurate to within 1°C at 37°C but may be up to 5°C out at maximum temperature. Using SPC the display can be re-set to be accurate to ±0.1°C at a single point by the following procedure:

1. Set the bath to the calibration temperature and allow the bath temperature to stabilise for 20 minutes and indicated by the display not fluctuating by more than 0.2°C. Measure the actual water temperature with a calibrated thermometer.
2. Press  control key. The display will show °C, press the **up**  control key and the display will show **5PC**, press  control key to enter SPC mode. The display will flash once a second with the current value and shows that the controller is ready to be re-set
3. Calculate the difference in temperature between the set point and the thermometer. Press **up**  or **down**  control keys to enter this correction value (positive or negative). If no key is pressed for 4 seconds, the display will revert back to showing the actual temperature and the set point will remain at its original value.
4. Press  control key. This will store the new corrected set temperature and the display will revert to showing the new correct actual water temperature

4 Specification

4.1 Electrical details

Mains supply 120Vac, 60 Hz
Pollution degree: 2
Installation Category: II

Note: Mains supply voltage fluctuations are not to exceed ±10% of the nominal supply voltage

Models		Capacity	Current Consumption
89032-196	89032-210	2L	1.0A
89032-198	89032-212	2L	2.6A
89032-200	89032-214	5L	2.6A
89032-202	89032-216	12L	5A
89032-204	89032-218	18L	7.9A
89032-206	89032-220	26L	7.9A
89032-208	89032-222	12 & 5L	7.9A

4.2 VWR analogue bath performance

Range	5°C above ambient to 98°C
Setting scale	10 to 98°C in 2°C graduations
Temperature stability to DIN 12876-3 *	± 1.0°C

4.3 VWR digital bath performance

Range	5°C above ambient to 99°C
Display (also used for setting)	10.0 to 99.0°C in steps of 0.1°C
Temperature stability to DIN 12876-3 *	± 0.2°C

* The supplied polycarbonate lid must be used to achieve the quoted performance