

# SmarterPool

## Free Chlorine and pH Controller

The SmarterPool is a revolutionary pH and PPM controller that isn't effected by cyanuric acid, saltwater chlorine generators or how to calibrate an ORP sensor with a free chlorine measurement. Using a blend of the TrueDPD free chlorine sensor and the MiniWarden in the same box with with the same price as the MiniWarden and support for the soon to be released OpenSourcePool opens up a lot of capability for both commercial and residential markets.



SmarterPool has been in the works for over 10 years and without the accuracy and ease of use of the TrueDPD sensor would still be in the works. Calibration of all the sensors is easily accomplished in the calibration menu but typically only happens at installation. SmarterPool is easier to use than most ORP chemical controllers because there is less to setup. ORP Controllers need a pH lockout feature to prevent overfeeding sanitizer if the pH gets too high, this isn't included because the free chlorine measurement isn't effected by pH like an ORP sensor. 10 Years ago most commercial pools had very low or no cyanuric acid, with the increased popularity of saltwater chlorine generators most outdoor pools now have cyanuric acid which has a big effect on ORP, this can make it challenging to properly setup an ORP controller to work properly when the sun is out, the pool is covered, night time or a shade treed are blocking the sun. The TrueDPD free chlorine measurement isn't effected by cyanuric acid so all of the issues an ORP controller has with it are gone. ORP Measurements can be effected with high power saltwater chlorine generators and if you do have a salt system make sure to use a gold ORP sensor, but you could also use the SmarterPool which will measure the free chlorine as if the chlorine generator wasn't there.

- pH (acid or base) Free Chlorine (Sanitizer)
- Proportional feed for more precise control
- Programmable setpoints and mixing times
- Smart Sanitizer, only available with TrueDPD
- Supports on and off mixing times
- Manual control on and off modes
- All relay disable for 1 hour when servicing pool
- Langelier saturation index and pH adjustment
- Service pin code entry tracks access
- 10 security passwords, 4 levels and lockable enclosure
- Entry of manual measurements
- Daily overfeed protection
- Built in time and date clock
- First product supporting [www.opensourcepool.org](http://www.opensourcepool.org)

### The SmarterPool Single Pool Controller (2 relay control)

Part Number	Description
SP-FC-#GVE	SmarterPool Controller, Flow Cell, pH & Temp sensors, Flow Switch, (no tubing, no fittings)
SP-MTD-#GVE	SmarterPool Controller, Flow Cell, pH & Temp sensors, Flow Switch 33' of 1/2" flow tubing, 4x Jaco fittings, pre-mounted on 24x12 backpanel
SP-MTD-P1-#GVE	SmarterPool Controller, Flow Cell, pH & Temp sensors, Flow Switch 33' of 1/2" flow tubing, 4x Jaco fittings, 2x13' 1/4" feed tubing, 1 check valve injector, 1x 30 gpd feed pump, pre mounted on 24x12 backpanel
SP-MTD-P2-#GVE	SmarterPool Controller, Flow Cell, pH & Temp sensors, Flow Switch 33' of 1/2" flow tubing, 4x Jaco fittings, 4x13' 1/4" feed tubing, 2 check valve injectors, 2x 30 gpd feed pump, pre-mounted on 24x12 backpanel