

## Multi-waypoint tacking routes with the SailTimer app and Wind Instrument

For race marks, cruising or daysailing, the new update to v. 5.6.2 of the SailTimer app (and free Charts Edition) allows you to enter multiple waypoints and name the route. Copy & paste in a list of coordinates, or place pins on the map for each waypoint. Then see the optimal tacks as you move through the tacking route.

It's easy to display your optimal tacks and Tacking Time to Destination (TTD). Under the Input button, enter the wind direction and speed. Then select a tacking route (previously-saved). That's it; now press Optimal Route. If you are using the new solar-powered Wind Instrument shown in the inset, you don't even need to enter a wind direction; the tacking results update automatically as the wind changes.

The SailTimer tacking results are only available in iOS (www. SailTimerApp.com), but there is a wind gauge app on Android for the SailTimer Wind Instrument, and plans in the works for tacking results too. The SailTimer Wind Instrument also works with third-party apps. The new version of the SailTimer Wind Instrument has a lower price (\$449.99 US) and impressive new innovations. The blades have a profile like wind cups when upright, and like propeller blades when heeled over. A digital compass is molded inside the tail of the wind direction arrow. www.SailTimerWind.com



Since it is easy to take GPS and chartplotting on a smartphone in even a sailing dinghy now, the Wind Instrument it is designed for use on sailboats of all sizes.