

SYNAPSE™ LOAD MONITORING SYSTEM

Monitor every minute adjustment with real-time load data at your fingertips; unlock optimal performance, get the most out of your equipment, and guarantee safety through one simple, integrated system.

- It is possible to integrate Synapse with most classic fittings and parts, such as turnbuckles, toggles, and fixed eyes, etc.. Synapse parts are nearly indistinguishable from standard parts, making them the lightest and least wind-resistant load monitoring solution.
- Synapse Hardware offers superior accuracy and reliability through simple in-line strain gauging. Pre-calibrated sensors maintain accuracy regardless of environmental conditions or rigging orientations, streamlining setup and eliminating the need for recalibration.
- Capturing load data on a rigging involves strategic placement of load cells and other sensors to gather accurate and relevant information. The positioning depends on the type of vessel, the specific rigging components you want to monitor, and the goals you're aiming to achieve. See below some current locations.

Technical Specifications

Sensor Materials	IP Rating	Target Accuracy	Approx. Length Increase	Power Requirement
Titanium	IP68*	+/-2%	40-50mm	5.4-18V (Typical 12v)

System-wide placement options

The System-wide placement options schematic is under revision to represent more the capabilities of Synapse

Synapse load monitoring parts leverage Sailmon's experience and skills through its E4 processor, which facilitates the recording and storage of load values. Model E4 high-performance could be your only sailing processors onboard which can deliver fast, accurate, and reliable data, both on and off the boat. check out for more information [Sailmon.com](https://www.sailmon.com)

