



Power and Communication System (PACS)

Get Water Data without Getting Wet with Bluetooth® Wireless Technology and Solar Power



The YSI Power and Communication System (PACS) supplies continuous power to submerged water instrumentation and enables wireless communication with the instrumentation. PACS enables longer deployments with unlimited power and faster data downloads from the comfort of your vehicle. It also eliminates the need to get into the water to retrieve data.

The PACS-1 features an MS-8 connector for quick connection to a YSI sonde; the optional junction box allows you to connect ADCPs and Argonaut current meters as well. Most logging instruments with RS-232 instruments can be interfaced for short-range wireless communications and a virtually limitless source of power.



Advantages of PACS

- **Economical solution** compared to submersible battery packs and manual battery swaps.
- **No new software required** to retrieve data. Simply install a Class 1 dongle enabled by *Bluetooth* technology on a laptop and use the water instrument software to upload data files or change device settings.
- **System is completely sealed** and easy to set up and maintain.
- **Secure wireless communication.**

Note: PACS requires installation of a USB dongle (or adapter) and driver software, which may require administrative privileges.

PACS-1 power and communication system enables wireless communication with submerged water instruments, such as a YSI sonde or SonTek ADCP, using a laptop and dongle





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Power and Communication System (PACS-1) Specifications

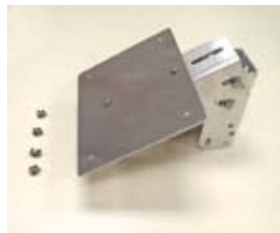
Dimensions	10.5 in (26.7 cm) x 8.5 in (21.6 cm) x 5.5 in (14 cm)
Weight	18.5 lbs (8.39 kg)
Solar	15 V 3.6 Watt 0.240 mA
Battery	12 V 18 AH
Range	Approx. 215 ft (65 m) with Class 1 dongle enabled by <i>Bluetooth</i> wireless technology, provided
Reserve Power	30 days in idle mode with YSI 6-Series Sonde or SonTek Argonaut ADCP sampling at 15 minute intervals, or 24 days with generic serial device at 1.5 watts per day
Communication	RS-232 at 9600 bits per second unless otherwise noted. Link enabled by <i>Bluetooth</i> technology can support RS-232 up to 115200 bps.
Environmental	4 degrees F to 131 degrees F (-20 degrees C to 55 degrees C)
Pin Code	2738

PACS-1 Ordering Guide

202350	Field assembly includes solar panel, battery, and radio plus dongle enabled by <i>Bluetooth</i> wireless technology
202368	Optional pole-mounting bracket, allows system to be angled toward sun for maximum exposure
202365	Junction box, used to interface RS-232 instrumentation (not required when interfacing YSI sonde)



202350 Field Assembly



202368 Mounting Bracket



202365 Junction Box