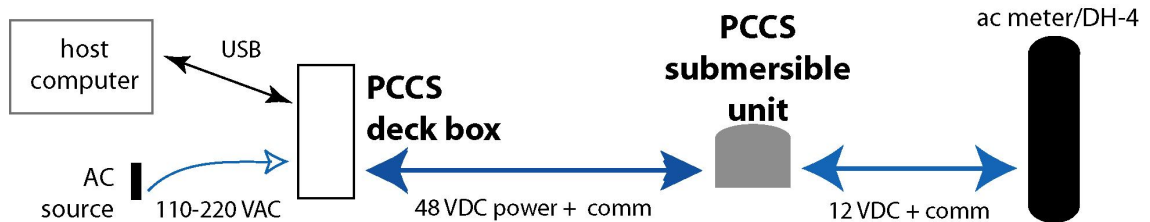




PCCS

The Power and Communication Conversion System (PCCS) bridges the gap between the on-board systems and the submersible profiling package. The PCCS provides:

- AC–DC power conversion
- Clean power
- Easy USB connectivity
- Two-way communication over long cables



Deck Box Specifications

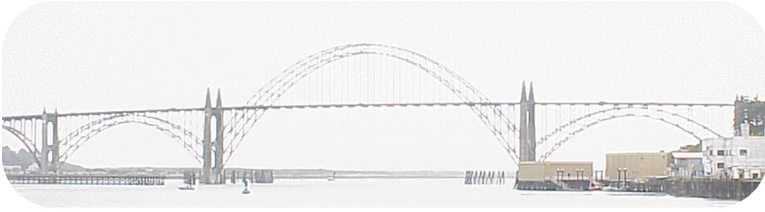
Height	3 in (7.6 cm)
Width	6.25 in (15.8 cm)
Length	10 in (25.4 cm)
Temperature range	0–85 deg C
Connectors	<ul style="list-style-type: none"> • 10-socket sea cable • USB • ac power
Communication	USB
Input voltage	110–220 VAC (50–60 Hz)
Output, max	75 W



Submersible Unit Specifications

Height	4 in. (10.1 cm)
Diameter	4 in. (10.1 cm)
Weight	2 lbs (0.9 kg)
Pressure housing	Acetal copolymer
Connectors	<ul style="list-style-type: none"> • 10-pin sea cable • 8-socket MCBH output
Input voltage	48 VDC (from deck box)
Output	12 VDC
Output, max	75 W
Rated depth	600 m

Specifications are subject to change without notice.



PCCS

Specifications Sheet

Revision History

Revision	Date	Revision Description	Originator
A	12/23/04	New spec sheet (DCR 424)	H. Van Zee
A1 draft	3/8/05	Updates (Draft)	I. Walsh
B	3/17/05	Approved updates (DCR 462)	I. Walsh