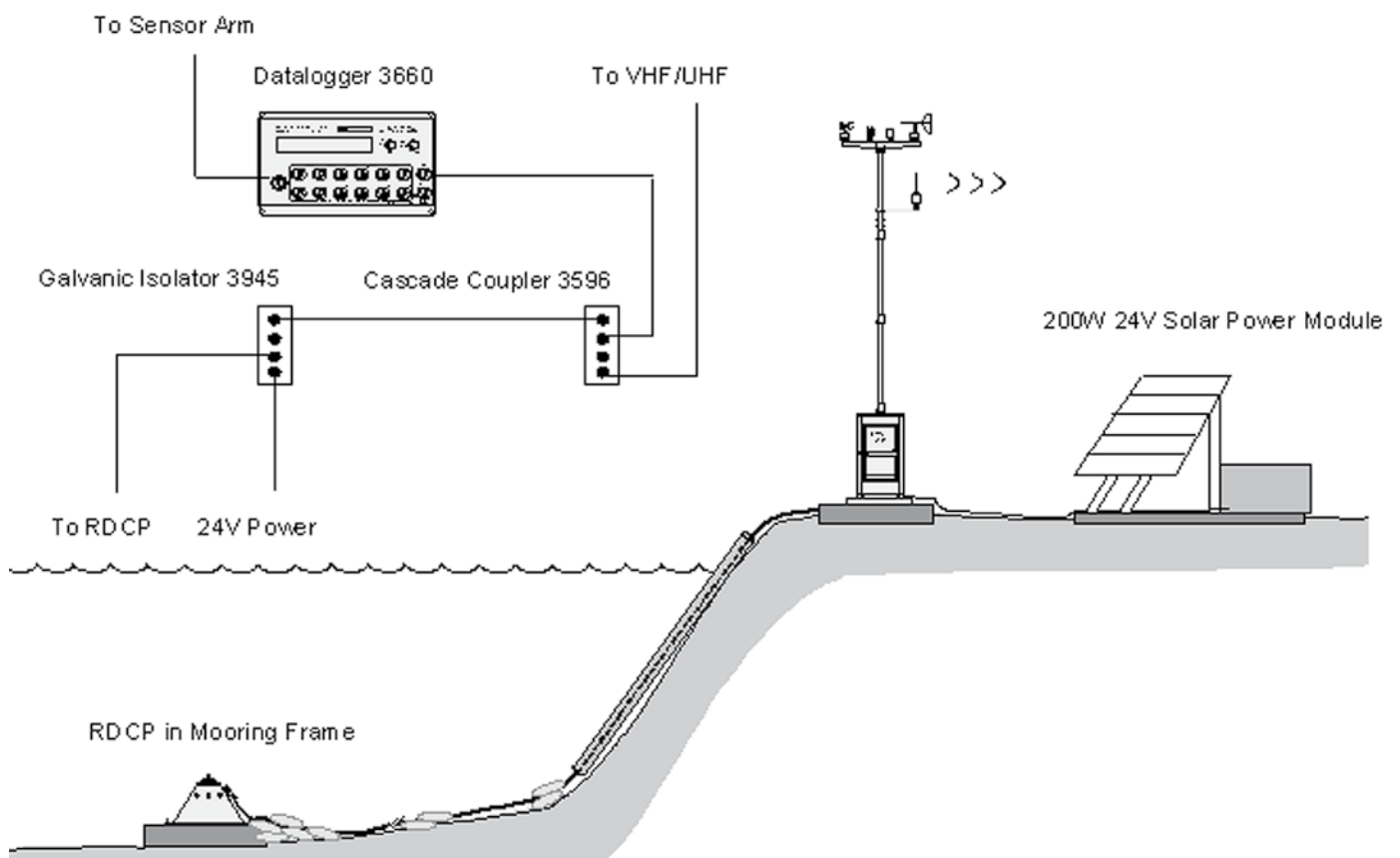


Galvanic Isolator 3945

D369 - April 2010

Galvanic Isolator 3945

An Interface between Recording Doppler Current Profiler RDCP 600 and Aanderaa equipment with PDC-4 input.



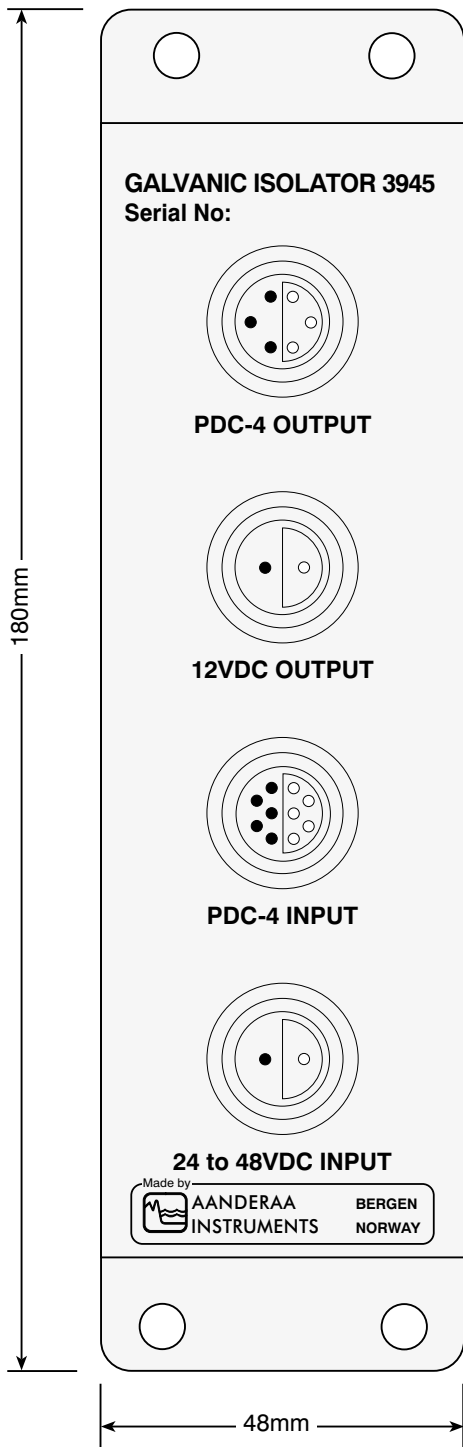
The Galvanic Isolator 3945 is to be used as an interface between a RDCP 600, configured to output data in PDC-4 format, and an Aanderaa device with PDC-4 input.

The input side and the output side are galvanic isolated from each other by use of optocouplers and an internal DC/DC converter.

The DC/DC converter will convert the 24-48V DC input power to 12V DC output power that can be used to supply Aanderaa equipment connected to the output side with power.

Specifications

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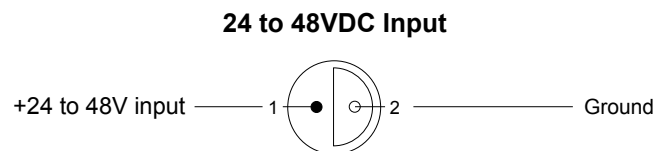
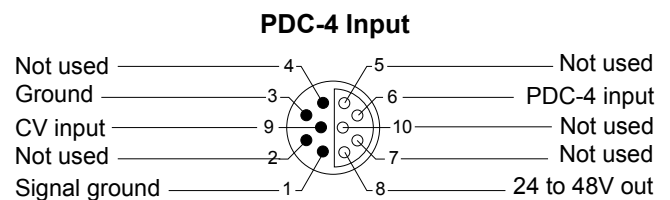
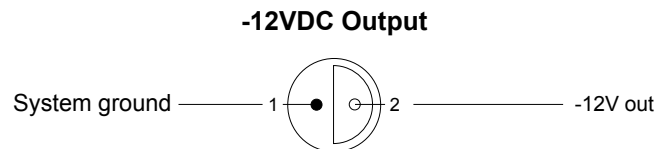
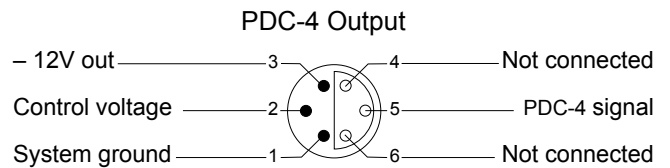
Input/Output Signals:	Aanderaa PDC-4
Operating Voltage:	18-50V
Current Consumption:	18mA @ 24V
Maximum Current Drain from 12V DC Out and PDC-4 Output:	400mA *
Operating Temperature:	-40 to +50°C
Material Housing:	Aluminum 6061T6 anodized 20µ
Net Weight:	350 grams
Packing:	Cardboard Box: 385 x 290 x 235mm
Gross Weight:	1.1 kilograms

* A built in DC/DC converter will supply equipment connected to the "PDC-4 Output" or the "12V DC Output" connector with limited power (12 VDC max. 400mA).

The "12V DC Output" connector can also be used as an power input if extra power is needed for equipment connected to the PDC-4 Output. Input voltage should be in the range 12 – 16VDC.

PIN CONFIGURATION

Receptacle, exterior view; bushing = ○, pin = ●



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