

Deck Unit 3127

D206 - May 2010



Deck unit 3127

A unit to display raw data and convert 10-bit PDC-4 standard Aanderaa code to RS-232C.

This portable field service equipment will display received PDC-4 raw data and enable interconnection with auxiliary equipment accepting data in RS-232C format.

The unit is used for easy field check of any equipment with PDC-4 output or as PDC-4 to RS-232 converter in a fixed system.

Deck Unit 3127 is molded in polyurethane foam and protected by an anodized aluminum housing. Watertight receptacles provide easy hook-up of input and output signals as well as external power input.

The unit is fully solid state. All electronic parts, LCD display, and plugs are placed on a single board. It is furnished with a selector switch with four positions, "OFF", "ON", "BUZZER ON", and "REMOTE START". When using Remote Start the instrument to be triggered must be in remote start mode. A trigger signal will then be sent from the Deck Unit to start the output of collected data from the instrument. The Deck Unit is

powered either by external 7-14 volt or an internal battery.

The 10-bit input signal is tested and only data that is in accordance with specifications is routed to the RS-232 receptacle. This feature will reject any possible noise signal and only high quality data will be presented.

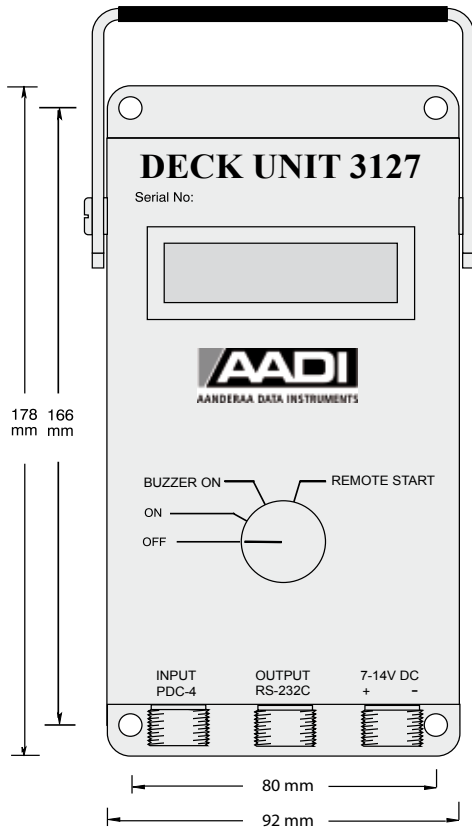
The Data Storage Unit will, while connected to a data logging system, be supplied with power from that system. It will draw about 3 mA from the system during storage sequence, four seconds per channel and about 0.1 mA when the system is quiescent.

The unit is delivered with a RS-232 Data output cable, part no. 3016C, and a standard connection cable 2842F. There are different alternatives available for connection between instrument and Deck Unit, depending on the output connection on the instrument. 2842F is used together with watertight receptacle 3622, 2924 and 4025.

An AC/DC adapter 3886 is available to power the unit.

Specifications 3127

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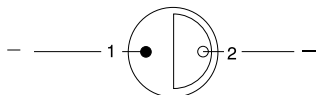
- Input Signal:** Aanderaa 10-bit binary code, PDC-4
- Output Signals:** RS-232 asynchronous ASCII code at 1200 bits/s, 8 data bits, no parity, 2 stop bits.
- Operating Temperature:** -15 to +50°C
- Current Consumption:** 18mA. With buzzer: 20mA
- Supply Voltage:** 9 V Lithium battery (internal) or 7 to 14V external supply
- Electrical Connection:** 6-pin receptacle mating Watertight Plug 2828
2-pin receptacle mating Watertight Plug 2979
- Material and Finish:** Hard anodized aluminum and low density polyurethane
- Size:** 92x178x28mm
- Net Weight:** 400 grams
- Packing:** Cardboard box
- Accessories (included):** RS-232 Data Output Cable 3016C
Connecting cable 2824F¹⁾
(optional): AC/DC adapter 3886,
100/260Vac/13.2Vdc, 3A

¹⁾ Connecting cable 2824F is for use with instrument including Watertight receptacle 3622, 2924 or 4025. For all other instrument connections please select another cable.

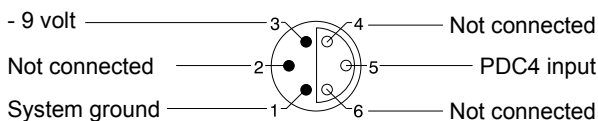
PIN CONFIGURATION

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

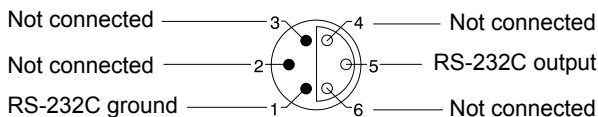
POWER INPUT, 7-14 V DC



INPUT PDC4



OUTPUT RS-232C



SERIAL OUTPUT FORMAT

One Data Word, 7 characters							Fault	Synch
1	2	3	4	5	6	7		
READING (any number from 0000 to 1023)				Space	Space	Null	No fault, no Synch	
				Space	CR	LF	No fault, Synch	
				*	Space	Null	Fault, no Synch	
				*	CR	LF	Fault, Synch	

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Representative's Stamp