



# DATA ACQUISITION SYSTEM

DAS-1

DAS-1 (Data Acquisition System) contains a Campbell Scientific CR300, an SAA232, and other components required to automate data collection for one ShapeArray.

DAS-1 includes:

Logger Enclosure

Campbell Scientific CR300 data logger

Logger-PC Cable

Wiring and Back Panel

SAA232

SAA232-PC Cable

Charge Regulator

50W Solar Panel and Mounting Bracket

All components are housed within a watertight NEMA 4-rated enclosure.

# SPECIFICATIONS



## LOGGER ENCLOSURE

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### ENCLOSURE

NEMA 4 Enclosure

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## INTERNAL COMPONENTS

### COMPONENTS

SAA232, SunSaver SS-10-12V Solar Charge Regulator, DIN Rail Power Terminals

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### LOGGER

Cambell Scientific CR300 Data Logger

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## POWER SYSTEM

### SOLAR PANEL

50 W Solar Panel and Mounting Bracket, 5 kg (10 lbs), 900mm x 600mm x 125mm (36" x 24" x 5")

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### RECOMMENDED BATTERY<sup>1</sup>

12V, 100Ahr Max Non-Spillable, Absorbed Glass Mat (AGM), Deep Cycle Lead Acid Battery

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## ACCESSORIES

Logger-PC Cable

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SAA232-PC Cable

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## PHYSICAL PROPERTIES

### DIMENSIONS

500 mm x 400 mm x 250 mm (20" x 16" x 10")

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### WEIGHT

18 kg (40 lbs)

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<sup>1</sup> Battery not supplied by manufacturer.

# NOTES



CR6-COMC1	SAA232
C2 white<-	Tx
C1 blue ->	Rx
CR300-COM1	SAA232
C2 white<-	Tx
C1 blue ->	Rx
CR800-COM1	SAA232
C2(Rx) white<-	Tx
C1(Tx) blue ->	Rx
CR1000-COM1	SAA232
C2(Rx) white<-	Tx
C1(Tx) blue ->	Rx

**50W SOLAR PANEL**

Connect battery before solar panel  
Supplied mounting kit fits up to a 64mm (2.5") OD pole

