



ANTS-ELEC Option Sheet

How to use this Option Sheet:

1. Please fill-in this Option Sheet carefully. In case you have questions, we advise contacting ISISPACE prior to sending the Option Sheet at: sales@isispace.nl. Note that you are responsible to make sure the inputs you make are correct, since ISISPACE will produce the product accordingly, and shall not be responsible to verify your inputs or liable to provide refunds, make alterations or send a new product in case your input does not reflect your needs correctly.
2. Fill in the form digitally. You will need to have Adobe Acrobat reader installed (free download available at <http://get.adobe.com/reader/>)
3. Press the check button at the end to verify if your Option Sheet is complete.
4. Once you are ready, press the Enable Read Only button to prevent accidental changes, save the changes and send the digitally filled-in Option Sheet by email to your Sales Representative.

Customer Contact Information

Contact Name:	
Email Address:	
Phone Nr:	
Organization / Company / Institution	
Address:	
Address (Cont'd):	
Country:	

Additional Information (Optional)

Intended use (EM/FM/QM)	
Mission name	

For ISISPACE Use – Leave Blank –

Order Confirmation:	
Allocated WO:	
Sales responsible:	
Project/Ref.:	



Electrical Configuration

Supply Voltage

3V3

5V

Connector Mounted on board

DSub 9 pin female

TE Connectivity 5-338313-2 or equivalent

Omnetics Bilobe 9 pin female (A29100-009)

This connector is the same type as the one mounted in the Antenna System Flight Model.

Solar panel photodiode and temperature sensor (Optional)

Photodiode

Due to mechanical restrictions, it is not possible to mount a solar panel on top of the Antenna System Electrical Model.

For those applications in which the solar panel coarse sun sensor telemetry is required it is possible to mount a photodiode on the top side of the unit itself.

This photodiode is equivalent to the one mounted on the ISISPACE solar panel Flight Model.

Temperature sensor

Due to mechanical restrictions, it is not possible to mount a solar panel on top of the Antenna System Electrical Model.

For those applications in which the solar panel temperature sensor telemetry is required it is possible to mount a temperature on the top side of the unit itself.

This temperature sensor is equivalent to the one mounted on the ISISPACE solar panel Flight Model.

Software Configuration

MicroController Interface

I2C control type

Single Bus (Default)

Dual Bus

I²C Watchdog

The I²C Watchdog is implemented for safety reasons. It works in the following manner: if the ANTS_ELEC does not receive any command from the main OBC for a given duration, the system will reset itself. This safety measure can be disabled by the user if required. This feature cannot be changed without having the system reprogrammed by ISISPACE.

I²C watchdog enabled, timeout of 60 seconds (default).

I²C watchdog enabled, user defined seconds = s

I²C watchdog disabled

I²C Address

Primary I²C address

Default (0x31)

Alternative

Alternative Primary I²C address (0x##)

Redundant I²C address

Default (0x32)

Alternative

Alternative Secondary I²C address (0x##)



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Harness (Optional)

Power and data Harness

D-SUB 9 pin male to open end

Length (mm):

Omnetics Bi-Lobe 9 pin female to open end.

Additional cost associated. Please contact your sales representative for further information.

Length (mm):

Solar Panel Harness

Photodiode Harness

Pigtail.

Solder pad (with strain relief) to open end.

Connectorized.

Solder pad (with strain relief) to Omnetics 2 pin male strip connector.

Mating (pre-wired) connector included.

Alternative.

Length (mm):

Temperature Sensor Harness

Pigtail.

Solder pad (with strain relief) to open end.

Connectorized.

Solder pad (with strain relief) to Omnetics 8 pin female Strip connector.

Mating (pre-wired) connector included.

Alternative.

Length (mm):

NOTE: For Alternative Harness configurations, please leave a note in the Additional Comments section detailing your requirement. ISISPACE will review your request and contact you as soon as possible.

Please note that non-standard options need to be evaluated and agreed upon. In some cases, they might incur into additional cost and/or lead time which shall be determined per case.

Additional Comments