ISOLATION MODULE FOR ELECTRONIC LOADS SERIES EE151XX & EE301XX

# PRODUCT DATA SHEET

INSTALLATION INFORMATION MODEL NUMBER: EE301-ISOL

# **Power Requirements**

3 Watts for Isolation Module Electronic Load (Powered by Isolator) Input Voltage: 9.0 - 15.0 Volts DC 15.5 Volts DC Absolute Maximum Input Current: ~ 0.1-0.3 Amps

# Operates with Electronic Loads types

EE301xx (300W) series / all EE151xx (150W) series / all

Isolation Inputs to Outputs I/O for all signals 350Vdc

**Isolation Input Control I/O** 0-4 Vdc (Electronic Load current control)

**Isolation Output Current Monitor I/O** 0-4 Vdc (Electronic Load current monitor)

#### **Isolation Output Voltage Monitor I/O** 0-5 Vdc (Electronic Load scaled voltage monitor)

## **Connector Mounting**

Module mounts in a vertical position to the load bias connector base.

## Connector Isolation Module (cable)

Module Cable mounts in a horizontal (24 Pin Burg) type with latching connector.

## **Isolation Mode**

Matched Linear Opto Isolators 5 Ports, 3 Analog, 1 Digital, 1 Power (Optional: Adjustable gains on analog ports)

## Noise & Linearity

Linearity Equal to a 12 bit A to D Internal Power Noise less than 50mV

**Temperature Range (operating)** 0 Deg. C to + 50 Deg. C Air

## Size:

High 1.5 x Length 3.0 x Width 2.5 inches.

Preliminary Information, Last Update: 08-21-04

MODEL: EE301-ISOL-ADJ

# MODEL: EE301-ISOL-FIX

# **Basic Operation:**

The EE301-ISOL allows you to completely isolate you electronic load from your power source under test. The isolation module has 350Vdc of isolation between the input to output. The module has both input and output control and monitor information. This information is the same as a standard electronic load without the isolation module. Allowing the user to make minimal changes in wiring.

## **Power Requirement:**

Power for the EE301-ISOL is 12 volts just like the electronic load. However you can use an input from 9 to 15 volts if you want for this module. You can remove the connector from the load and just insert the module in place of the connector you removed (or if you want the latching option its just a simple rewire. The module supplies isolated power for the electronic load when it is in operation. You can not use the 14-24 Vdc input of the connector. That is now a ground for the none isolated power of the electronic load. The model only works with 12 volts main power input.





#### WARRANTY:

What does your warranty cover:

Any defect in material or workmanship.

#### For how long after purchase:

90 days for unit replacement. The warranty period for exchange unit begins with date sent.

#### What will we do:

Provide new or, at our option, replacement for repair of your unit.

#### How do you get service:

Get a return authorization number from the factory, or call the factory for a replacement unit and one will be charged to your account. When the returned unit arrives and is evaluated as a good unit it will be credited to your account.

#### What does your warranty not cover:

Customer instructions. The installation manual provides information regarding operation.

Installation and set-up. Damage from misuse or neglect. Unit that has been modified or incorporated into other products.

#### How does state law relate to this warranty:

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

# Notes

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