

Model 4347 *FILLight* High Performance Embedded Data Acquisition and Controller

- *Intelligent Digital Signal Conditioner/Controller for Rotary Filling Machines.*
- *Applicable to Rotary Net Weight Liquid Filling Systems.*

INTRODUCTION

The *FILLight* Model 4347 is a high performance data acquisition interface module from Electro Standards Laboratories that is suitable for applications which require high speed and high accuracy analog acquisition and control.

The factory default communications mode is over Ethernet Modbus/TCP. The Ethernet is configured as a dynamic address assigned by the host. If required a static IP address can be assigned to the Model 4347.

FEATURES:

- Communications through Ethernet Modbus/TCP
- Unit Configurable thru USB interface
- Firmware updates via RS232
- Four 24-bit analog strain gauge input channels
- 8-Bits of isolated MOSFET outputs for control of solenoids
- Supports the calibration of 4 Load Cells.
Calibration data is stored in the unit.
- Load Cell can be sampled from 5ksp/s
- Other functions available upon request



SPECIFICATIONS:

Operation:

Internal Resolution: 24-bit

Conversion Rate: 5ksp/s

Input Power:

24VDC, 3.5A

Indicator:

Ethernet Traffic LED, optional display

Communications Interface:

Ethernet Modbus / TCP

Analog Input:

(4) 24-bit analog strain gauge input channels

Channel Excitation:

5VDC

Mechanical:

Dimensions: 7.29" W x 2.53" H x 9.0" D.

[18.6 cm W x 6.5 cm H x 22.9 cm D]

Weight: 3.2 lbs [1.5 kg]

AVAILABLE FEATURES:

Analog Signal Inputs:

Analog Input: Very high impedance differential

Input Range: +/- 10V

Resolution: 12-bits

Number of Channels: 1

Max. Sampling Rate: 10,000 samples/second,
all channels

Digital Signal Inputs:

Input type: Logic, TTL, and HC compatible with hysteresis

Number of Channels: 64 bits, simultaneously sampled

Max Sampling Rate: 10,000 samples/second

Digital Counter Inputs:

Excitation: 5 VDC

Interface: Single ended TTL, compatible

Type: Pulse

Channels: 3

Resolution: 8-bits

Digital Isolated Inputs:

Type: Optically Isolated

Channels: 4

Digital Trigger Input:

Type: Digital trigger

Source: Any digital input

Input Power:

Range: 19VDC-36VDC, std, 4.5VDC-9VDC, Others

Power: 8.5W (Ex. 300 mA at 28 VDC)

Communications Interface:

Interface Types: 10/100Base-T Ethernet with **flow control**

Isolation: Optical

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