

PYRANOMETER AMPLIFIER

INTRODUCTION

Instrument used to amplify a pyranometer low output signal. It is a voltage amplifier. If the sensor has a current output, it must be terminated with a resistor (eg the LiCor Li-200SZ is terminated with a 147 Ω precision resistor. The signal is amplified to improve the accuracy and resolution of low output pyranometers. It can amplify up to 2 pyranometer outputs (2 channels) with the same gain.

TECHNICAL SPECIFICATIONS

Minimum output signal: 0,01mV
Maximum output signal: 5V

Resolution: 0,001mV
Current consumption: 1,5mA

Accuracy (input: 0~1mV): better than 5%
Accuracy (input: 1~10mV): better than 0.5%
Accuracy (input: 10~220mV): better than 0.1%

Gain: Any desired one, on demand.
Commonly used with Stylitis dataloggers: 10, 116 and 200.
Only restriction: Maximum output signal 5V.

POWER SUPPLY

Voltage: 6~30VDC.
Avg current: 1,5 mA.

- **PROTECTION:** Over voltage, inverse connections at power supply pins.
- **BOX:** Rail, (H x W x D) 80 x 23 x 74 mm.
- **Weight:** 80 gr.
- **CONNECTIONS:** screw terminals.
- **OPERATING TEMPERATURE:** -20° ~ +70°
- **IP RATING:** 20
- **WARRANTY:** 1 year.

