

PRODUCT DATA SHEET

BIA SS FLOWSENSOR 50 • 809522



BRAND



PRODUCT DETAILS

The iSolar SS FlowSensor50 provides an input to the iSolar V3 controller to shorten the shut-down cycle time should the pump be operating in a no-flow situation.

This situation can arise when there is sufficient solar irradiation for the pump to operate but insufficient energy to deliver flow at the destination.

BENEFITS

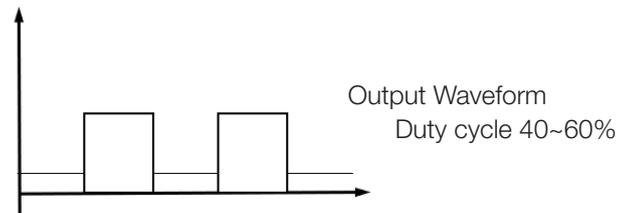
- Extends the pump life expectancy

FEATURES

- Stainless steel body
- Hall sensor pulse counter to register flow
- 10m 'plug and play' water proof cable

WIRING

RED = Positive
YELLOW = Pulse
BLACK = Negative



TECHNICAL DATA

MIN. RATED OPERATING VOLTAGE	DC 5V
MIN. OPERATING CURRENT	15mA (DC 5V)
OPERATING RANGE	DC 5 ~ 18V
LOAD CAPACITY	<10mA (DC 5V)
WORKING TEMPERATURE	< 80°C
WORKING HUMIDITY	35% ~ 90% RH (frost free condition)
OPERATING PRESSURE	<2.0MPA
BURST PRESSURE	>3.5MPA
DIMENSIONS:	2" BSPM 92mm long, 68mm AF

OUTPUT PULSE HIGH LEVEL	<DC4.5V (input DC 5V)
OUTPUT PULSE LOW LEVEL	> DC 0.5V (input DC 5V)
ACCURACY (FLOW / PULSE)	5 - 200lpm +/- 3%
OUTPUT PULSE DUTY RATIO	50 +/-10%
OUTPUT RISE TIME	0.04 uS
OUTPUT FALL TIME	0.18 uS
FLOW-PULSE CHARACTERISTIC	Horizontal test pulse frequency (Hz) = [0.2 x Q] +/-3% (Horizontal test)
NET WEIGHT (KG)	0.7 kg
PACKAGE DIMENSION	110 L x 110 W x 90 H (mm)