



SUTRON Stage Discharge Recorder, with Analog input and 4-20mA outputs, with Shaft Encoder

Product #: SDR-0001-4

USD Price: Contact Hach

SUTRON fused the ultra-reliable SDI-12 optical encoder with our state-of-the-art SatLink2 Logger technology to create an encoder that never forgets.

Dual Sensor

Setup SDR to measure a second stage using an analog* or SDI-12 sensor

Rating Table

Compute discharge using a rating table with up to 50 points

Averaging

Stage can be computed by averaging multiple samples over a user-set period

4-20mA output

Output stage or discharge using the 4-20mA circuit (requires SDR w/analog:SDR0001-4)

Specifications

Analog Inputs:	Yes
Analog Output:	Yes
Analogue Output Signal:	4 - 20 mA
Calculations:	Discharge using Parshall Flume, Broad Crested Weir equations, Dual Sensor, Rating Table or general purpose equation with user entered constants. Calculation of daily volume and daily average stage.
Control and Display:	Display Type: 2 x 20 LCD with backlight Keypad Type: 6 button
Data Storage:	# 300,000 readings
Dimensions:	4.5 x 4 x 7 in (11.5 x 10.2 x 17.8 cm)
Interface:	SDI-12, RS-232
Material Enclosures:	NEMA 3, IP63 resists dripping water & spray
Measuring Interval:	15-minute (default) 1, 5, and 10-min user selectable
Measuring Range:	+/- 24.38 m of calibration point

Operating Temperature Range:	-40 - +140 °F (-40 - +60 °C)
Parameters Measured:	Stage / Water Level, Internal Temperature, Battery
Power Consumption:	#3.5 mA @12 VDC
Power Supply:	5.5 - 16 VDC
Programming:	Via front panel or SDR communicator program
Protocol:	MODBUS Slave. SCP, SDI-12
Range:	+/- 80 ft (24.38 m) of calibration point
Resolution:	Analog input measures 0 - 5 V sensor, 4 - 20 mA sensor or resistive bridge sensor
SD Card:	No
Shaft Encoder:	Yes