

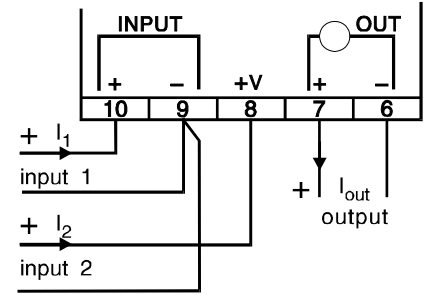
## Option - Adder Subtractor, Min/Max Select SI139

### Input Option 61: Adder

$$I_{out} = I_1 + I_2 \text{ OR } I_{OUT} = \frac{I_1 + I_2}{2} \text{ (AVERAGER)}$$

Input loads (4-20mA) :

$$I_1 = 50\Omega, I_2 = 50\Omega + 0.7V$$

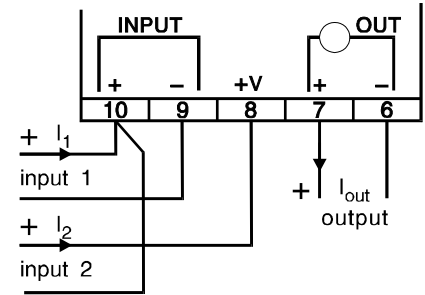


### Input Option 62: Subtractor

$$I_{OUT} = I_1 - I_2$$

Input loads (4-20mA) :

$$I_1 = 50\Omega, I_2 = 50\Omega + 0.7V$$



### Input Option 64: Minimum Selector

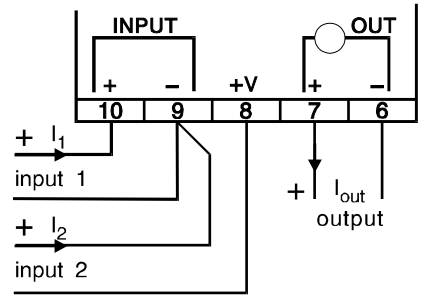
The output signal will follow the lower of both input signals.

Input load: 56Ω (4-20mA)

### Input Option 65: Maximum Selector

The output signal will follow the higher of both input signals.

Input load: 56Ω (4-20mA)



### Input Option 68: Adder,

$$I_{OUT} = I_1 + I_2 \text{ (ADDER)}$$

### 69: Subtractor

$$I_{OUT} = I_1 - I_2$$

$$I_{OUT} = \frac{I_1 + I_2}{2} \text{ (AVERAGER)}$$

Unlike options 61 and 62 the two inputs can be any current or voltage signal, however they must be independently sourced or have a common 0V.

Must specify Calibration for each input when ordering e.g.

In1 Cal: 1-5V

In2 Cal: 0-20mA.

