

## Model 310

### Programmable analog transmitter



#### Features

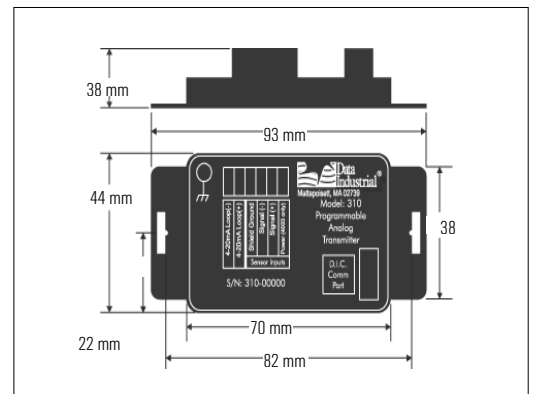
- 4 - 20 mA analogue output
- Parametering via PC/Laptop

#### Description

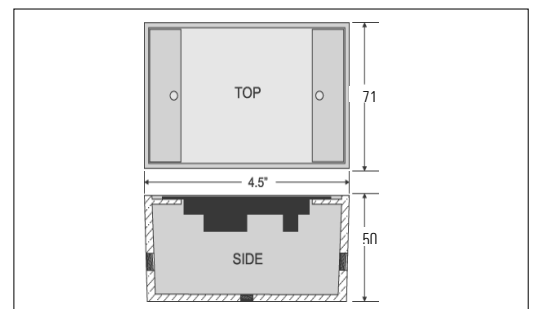
The model 310 is a loop powered, programmable transmitter capable of converting the signal from flow sensors to a linear 4-20 mA analog signal. In addition to our standard square wave signal, it can also accept a sine wave making it a versatile transmitter for numerous applications. With an onboard microcontroller and digital circuitry, the 310 is programmed from a computer eliminating the need to adjust potentiometers and producing precise, accurate and drift free signals. This will save both time and money by lowering overall maintenance times. This model also has an integral filter that the user can specify as 0 (to show true sensor readings) or 10 (for maximum damping). The compact cast epoxy body measures 44 mm (1.75") x 70 mm (2.75") x 25 mm (1") can easily be mounted to panels, DIN rails or enclosures. With multiple inputs, ease of use and a variety of enclosures, the model 310 is a powerful and competitive transmitter for many of today's demanding applications.

#### Dimensions

##### Transmitter only



##### Optional enclosure (ver. 310-02 & 310-03)



\*Data Industrial is a Badger Meter, Inc. company



## Technical data

Power requirements	Loop input voltage 9-35 VDC
Input frequency	0.4 to 10 kHz
Load resistance	Max. 750 $\Omega$ @ 24 VDC
Output response time	Varies with filter
Operating temperature	29°C to 70°C (-20°F to 158°F)
Storage temperature	-40°C to 85°C (-40°F to 185°F)
Accuracy	$\pm 0.04\%$ of reading over entire span
Linearity	0.1% of full scale

## 310 ordering matrix

	Example:	310	---	xx
<b>Series</b>	Programmable analog transmitter	310		
<b>Options</b>	Transmitter only			00
	W/ NEMA 4X enclosure			01
	W/ metal enclosure			02
	W/ plastic enclosure			03
	W/ DIN rail mounting clips			04