

Determination of Analog Current Loop (4-20 mA) to the Corresponding Flow Rate Values

Based on iCAM User's Manual: Sections 5.11, 7.4, and 8.2

Analog Output (4-20 mA Current loop):

To set linear flow rate, follow page 84 to set starting flow rate and ending flow rate

Minimum Flow Rate = 0 cfm

Maximum Flow Rate = 6 cfm

For any air flow rate (cfm)		Corresponding current value
B =	2.1	A =

Current (mA)	Flow Rate (cfm)	Flow Rate (L/min)
4.0	0.00	0.0
4.5	0.19	5.3
5.0	0.38	10.6
5.5	0.56	15.9
6.0	0.75	21.2
6.5	0.94	26.5
7.0	1.13	31.9
7.5	1.31	37.2
8.0	1.50	42.5
8.5	1.69	47.8
9.0	1.88	53.1
9.5	2.06	58.4
10.0	2.25	63.7
10.5	2.44	69.0
11.0	2.63	74.3
11.5	2.81	79.6
12.0	3.00	84.9
12.5	3.19	90.3
13.0	3.38	95.6
13.5	3.56	100.9
14.0	3.75	106.2
14.5	3.94	111.5
15.0	4.13	116.8
15.5	4.31	122.1
16.0	4.50	127.4
16.5	4.69	132.7
17.0	4.88	138.0
17.5	5.06	143.3
18.0	5.25	148.7
18.5	5.44	154.0
19.0	5.63	159.3
19.5	5.81	164.6
20.0	6.00	169.9

bonding
ue (mA) in
9.60