

AC-1 Analog-to-CAN Pinout and Message Structure

Conn. 1

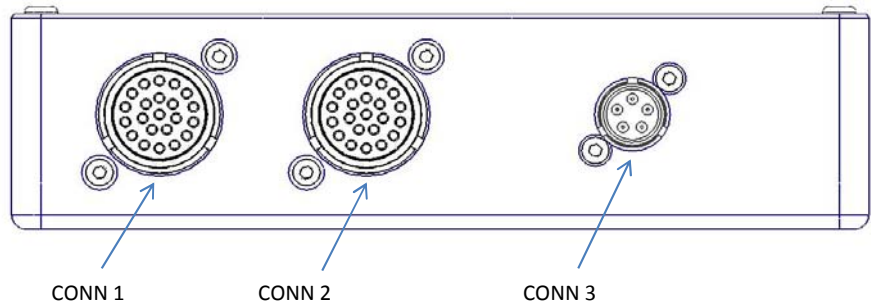
PIN	Function	Sensor Power	Chann	CAN Channel
1	Sig 4		2B+	4
2	Sig GND	GND		
3	Excitation	10V		
4	Power GND	GND		
5				
6	12V Power	10V		
7	Sig 1		1A+	1
8	Sig 2		1B+	2
9	Ground Sense	GND		
10				
11	Power GND	GND		
12	Excitation	10V		
13	Excitation	10V		
14	Sig 3		2A+	3
15	Sig 5		3A+	5
16				
17	Sig 6		3B+	6
18				
19	Sig 8		4B+	8
20				
21	Sig 7		4A+	7
22				

Conn. 2

PIN	Function	Sensor Power	Chann	CAN Channel
1	Sig 4		2B+	12
2	Sig GND	GND		
3	Excitation	10V		
4	Power GND	GND		
5				
6	12V Power	10V		
7	Sig 1		1A+	9
8	Sig 2		1B+	10
9	Ground Sense	GND		
10				
11	Power GND	GND		
12	Excitation	10V		
13	Excitation	10V		
14	Sig 3		2A+	11
15	Sig 5		3A+	13
16				
17	Sig 6		3B+	14
18				
19	Sig 8		4B+	16
20				
21	Sig 7		4A+	15
22				

Conn. 3

PIN 1	+12V (unregulated)
PIN 2	CAN HIGH
PIN 3	Not Connected
PIN 4	CAN LOW
PIN 5	GND



CAN messages bits

Note: All messages are Unsigned 16-bit words (U16)

Message ID	Bits	Bits	Bits	Bits
0x001 (hex), 1 (dec)	0-15	16-31	32-47	48-63
	Channel 1	Channel 2	Channel 3	Channel 4
0x002 (hex), 2 (dec)	0-15	16-31	32-47	48-63
	Channel 5	Channel 6	Channel 7	Channel 8
0x003 (hex), 1 (dec)	0-15	16-31	32-47	48-63
	Channel 9	Channel 10	Channel 11	Channel 12
0x004 (hex), 2 (dec)	0-15	16-31	32-47	48-63
	Channel 13	Channel 14	Channel 15	Channel 16

Gain

Volts = Counts * 0.00007526