



Manual Addendum for the 9105-IF-OEM2 and 9105-IF-OEM3 DAQ Transducer Systems

This addendum will describe the differences between the 9105-OEM2 and 9105-OEM3 DAQ transducer systems and ATI's standard DAQ transducer systems. Refer to the standard DAQ manual 9610-05-DAQ for operating characteristics.

The main difference between the OEM2/OEM3 and standard DAQ transducer systems is how they are powered. A standard DAQ transducer system requires a +5VDC power input, the OEM2/OEM3 systems require +15VDC and -15VDC inputs. Refer to tables below for interfacing details. Note: The ± 15 VDC input requirements are from ± 13 VDC to ± 17 VDC.

9105-C-MX-U-0.5 Cable pinout for **9105-IF-OEM3**

P7B	Color	Signal Name	
1	Brown/White	<i>G0 REF</i>	} Twisted pair
2	Brown	<i>G0 OUT</i>	
3	Yellow/White	<i>G1 REF</i>	} Twisted pair
4	Yellow	<i>G1 OUT</i>	
5	Green/White	<i>G2 REF</i>	} Twisted pair
6	Green	<i>G2 OUT</i>	
7	Blue/White	<i>G3 REF</i>	} Twisted pair
8	Blue	<i>G3 OUT</i>	
9	Violet/White	<i>G4 REF</i>	} Twisted pair
10	Violet	<i>G4 OUT</i>	
11	Grey/White	<i>G5 REF</i>	} Twisted pair
12	Grey	<i>G5 OUT</i>	
13	White/Black	<i>T REF</i>	} Twisted pair
14	White	<i>T OUT</i>	

Signal Output

P7A	Color	Signal Name
1	Red	+15VDC
2	Black	GND
3	Orange	-15VDC

Power Input

DB26 connector pinout for the **9105-IF-OEM2**

DB 26 Connector Pin	Signal Name
1	Ch7 Out
2	+5V
3	T out
4	Gauge5 out
5	Gauge4 out
6	Gauge3 out
7	Gauge2 out
8	Gauge1 out
9	Gauge0 out
11	DGnd
12	Thermistor ref
13	Gauge5 ref
14	Gauge4 ref
15	Gauge3 ref
16	Gauge2 ref
17	Gauge1 ref
18	Gauge0 ref
19	DIO0
21	+15VDC Input
22	AGND Input
23	-15VDC Input