



Manual Addendum for the 9105-IF-OEMx DAQ Transducer Systems

This addendum will describe the differences between the 9105-IF-OEMx 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 OEM transducer systems and standard DAQ transducer systems is how they are powered. A standard DAQ transducer system requires a +5VDC power input to an IFPS or PS box, while the OEM transducer systems are powered directly by $\pm 15\text{VDC}$. See the transducer with on-board interface board electrical specifications in the DAQ manual for further details. Refer to tables below for interfacing details.

9105-C-MX-U-0.5 Cable Pinout for **9105-IP-OEMx** Transducer Systems (Excluding 9105-IF-OEM2)

Note:

Custom cables mating to the P7A and P7B headers are to use Molex micro-miniature 1.25mm receptacles.

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

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