

METTLER TOLEDO®

Installation Instructions

Model: 0904-1013 RAAD Box
Description: Remote Addressable A/D Box

The 0904-1013 RAAD Box comes equipped with four digital addressable transducer interface (DATI) boards attached to a field termination board. The DATI boards are logically addressed from the factory as load cell 1, 2, 3, and 4. If additional load cells are required for the application, another 0904-1013 RAAD Box can be daisy-chained through terminals TB2 or TB5. Up to 24 analog cells or 6 RAAD boxes can be supported as one logical scale. The DATI boards in the additional RAAD boxes must be re-addressed during installation.

Analog Load Cell Connection (TB1, TB3, TB4, and TB6)



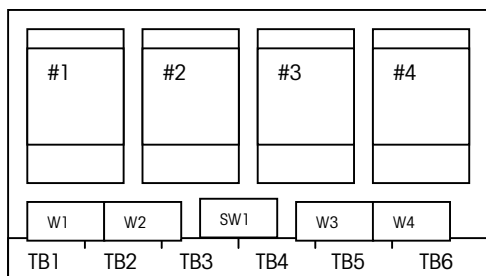
Note: For six-wire load cells, connect the excitation (EXC) and sense (SEN) lines together

Digital Network Connection (TB2 and TB5)

Terminal	Description	Description	Terminal	
1	+ 20VDC (+VA)	+ 20VDC (+VA)	8	JAGUAR AND COUGAR
2	+ 20VDC (+VB)	+ 20VDC (+VB)	7	
3	+ 20VDC (+VC)	+ 20VDC (+VC)	6	
4	GND	GND	5	
5	GND	GND	4	
6	GND	GND	3	
7	COM B	COM B	2	
8	COM A	COM A	1	

Analog Load Cell Jumper Settings (W1 – W4)

ON – 2mV/V
 OFF – 3mV/V



Note: A termination resistor is required whenever the RAAD Box is located at the end of the network.

XYZ Field Termination Board

Digital Communication Switch Settings (S1)

Switch	#1	#2	#3	#4	#5
ON	Load Cell Channel 1 Active	Load Cell Channel 2 Active	Load Cell Channel 3 Active	Load Cell Channel 4 Active	Termination Resistor Enabled
OFF	In Active	In Active	In Active	In Active	No Resistor

METTLER TOLEDO
 Scales & Systems
 1900 Polaris Parkway
 Columbus, Ohio 43240

METTLER TOLEDO® is a registered trademark of Mettler-Toledo, Inc.
 ©2000 Mettler-Toledo, Inc.
 Printed in USA



Chg: 0