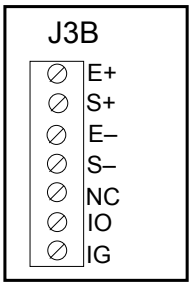
Addendum to TI-2100 Setup/Operation Manual
Rev 8.94P
Covering Versions 04.96 to 10.97

Your new TI-2100 Digital Indicator includes a new, improved ADC (Analog to Digital Converter). The following supersedes the information found in Rev 8.94P of the TI-2100 Operation Manual:

Installation and Wiring

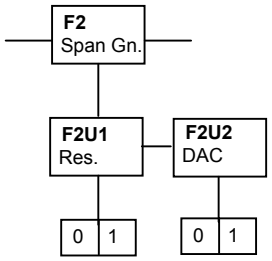
CONNECTING THE LOAD CELL OR JUNCTION BOX

Shown at right is a close-up of terminal block J3B which is the main load cell feed to the circuit board. To connect the load cell or junction box, simply make the appropriate connections to this terminal block. Terminals labeled "IO" and "IG" are for the optional 4-20 mA analog output. "IO" is the current loop output pin and "IG" is the current loop return.



Configuration

SETUP MENU CHART



Setup Menu Descriptions

NAME/CODE	DESCRIPTION	CODE/VALUE
F2 ADC Resolution / DAC Enable	Sets the indicator's internal resolution and enables or disables the optional 4-20 mA output. This menu selection has two sub-menus; "F2U1" (ADC resolution) and "F2U2" (DAC enable). F2U1: **"0"** indicates low resolution **"1"** indicates high resolution F2U2: **"0"** indicates disabled **"1"** indicates enabled	0 1

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APPENDIX A: Specifications

ANALOG SPECIFICATIONS

Full Scale Input Signal	0.2 mV/V min to 2.0 mV/V max
Input Impedance	na
Internal Resolution - LO	20,000 counts at 2.0 mV/V input
Internal Resolution - HI	200,000 counts at 2.0 mV/V input
Display Resolution	50,000 dd
Measurement Rate	Up to 15 meas/sec
System Linearity	0.01% of full scale
Calibration Method	Software Calibration, with long term storage in EEPROM
Excitation Voltage	+10VDC, 8 x 350Ω load cells
Display Filtering	Selectable via front panel service menu

APPENDIX C: Determining Proper Span Gain

This section no longer applicable.