



DOUBLE E
G R O U P

LOAD CELL AMPLIFIER

Double E Group **load cell amplifier** is a signal conditioner and tension display unit. The device provides power to, and accepts a low level millivolt signal from load cell(s). A quick calibration procedure provides accurate display and output of a user selectable 0-10V or 4-20mA amplified signal for use with displays, tension controllers and/or machine PLC's. The on-board digital readout displays the current web tension via LED display.

FEATURES

- LED display shows current tension reading
- Simple load cell calibration through digital keypad – no jumpers or switches
- Compact DIN rail mount enclosure
- Selectable analog outputs (0-10V, 4-20mA) on a single unit
- A wide range of load cell mV/ V sensitivities can be used and automatically calibrated
- Compatible with most popular load cells
- Two programmable high/low tension alarm outputs
- Communicates to your controller, drive or PLC
- Stable output signal with minimal temperature drift
- User selectable calibration weight

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TECHNICAL SPECIFICATIONS

- 24 bit with 120Hz sampling rate
- 0-45mV load cell input range
- +5Vdc load cell excitation
- Able to connect 4-wire or 6-wire load cells
- Linearity: 0.05% of full scale
- Thermal drift: 0.001% of full scale per degree C°
- 4-20mA primary analog output
- 0-10Vdc primary analog output
- 0-10Vdc secondary analog output for remote display/monitoring
- 24V digital input for remote calibration
- (2) 24Vdc programmable tension alarm outputs
- 24Vdc supply power
- CE certified

