

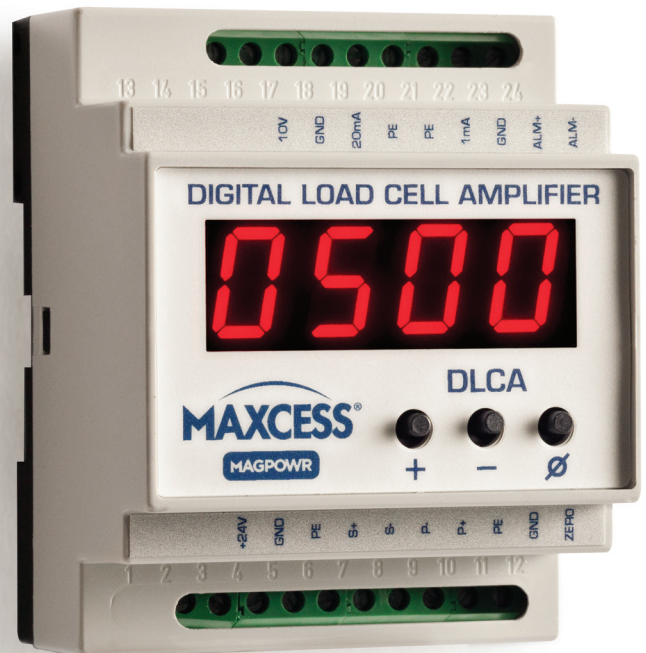
MAXCESS

MAGPOWR

The Digital Load Cell Amplifier DLCA is a powerful and versatile DIN rail mounted digital amplifier used to multiply a millivolt tension signal to a usable 0 to 10VDC or 4 to 20 mADC analog output.

The DLCA is compact in size but incorporates ease-of-use and set-up with three push buttons and a four segment display fully programmable low pass filter of each output, tension alarm set points, quick easy calibration and even weightless load cell calibration.

These features combined with superior drift and linearity performance makes the DLCA an easy choice when needing a tension reference to a drive or PLC for displaying or controlling tension.



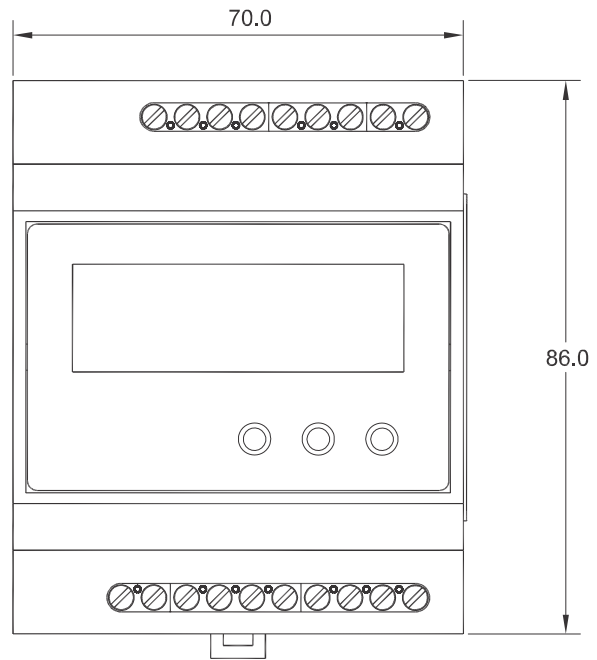
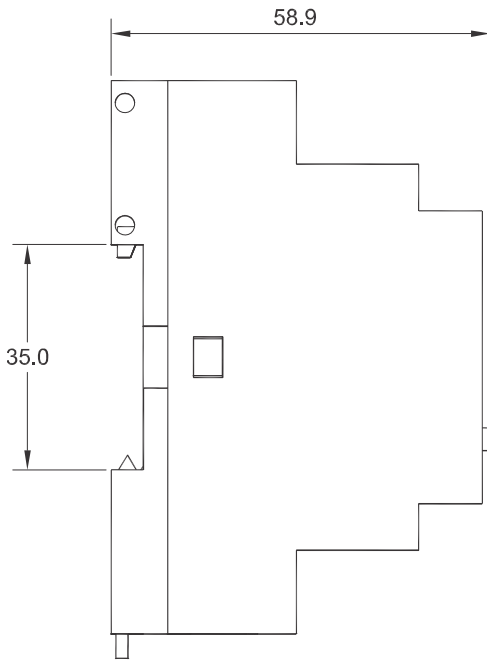
TECHNICAL SPECIFICATION

Supply Power: 24VDC, +/- 10%, 0.14ADC max.	Display: 4 digit LED
Inputs: Load Cell Excitation: 5 or 7,5VDC, 100mADC max.	Enclosure: IP20
Load Cell Sensitivity: 1.5 to 100mV/V single sensor or pair	Certifications: CE (EN61326-1) TÜV Mark (UL 61010-1) CAN/CSA-C22.2# 61010-1 CB to IEC 61010-1 RoHS
Digital Input (re-zero): 24VDC maximum 5VDC or 24VDC selectable threshold	Temperature Range: Operating: 0 to 50°C, Storage: -20 to 80°C,
Analog Outputs: 0 to 10VDC, 2kΩ min. load 4 to 20 mADC, 450Ω max. load	Climatic Class: 3K3 (EN60721)
Reference Meter output: 0 to 1 mADC, 1kΩ max.load or 0 to 10VDC, open circuit	Relative Humidity: 5% to 85%
Alarm Output: 30VDC max., 0.4ADC max.	Pollution Degree: 2 (IEC664-1)

KEY FEATURES

- Compact enclosure requires minimal space
- Setup and calibration through 3 push buttons and digital display
- Weightless load cell calibration
- 0 to 10VDC or 4 to 20 mADC outputs
- Current output can be adjusted to 0 to 20 mADC or 0 to 10 mADC
- Meter reference output is 0 to 10VDC or 0 to 1 mADC
- Outputs and display have fully adjustable and separate digital filtering
- One push button for re-zeroing, with optional input for remote re-zeroing
- Alarm output for high tension or low tension or in between high and low tension
- Works with 5 and 7,5 volt excitation sensors with 1.5 to 100mV/V signals
- 32:1 gain adjustment
- Automatic load cell diagnostics/fault indicator
- Can zero out Idler Roll weight up to 90% of load cell rating

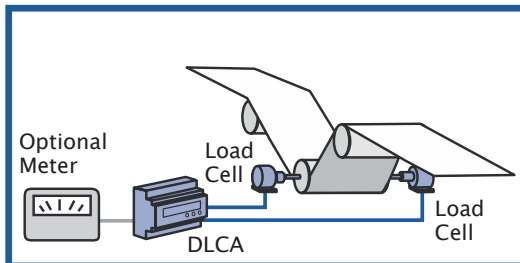
DIMENSIONS



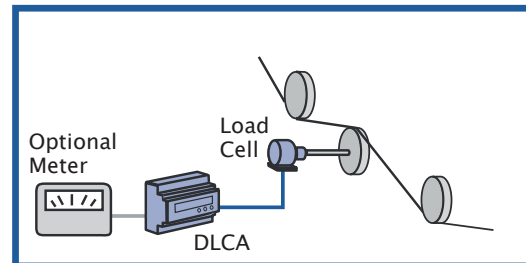
Dimensions shown in mm

TYPICAL APPLICATION

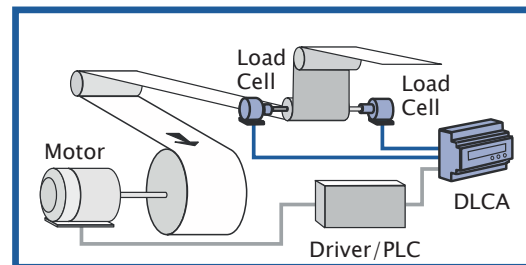
Tension Readout – Wide Web



Tension Readout – Single Strand



Tension Reference – to Winder Drive



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