

LCI-100

Dual Tension Display



LCI Dual Tension Display models are used to display two channels of line tension for winch and wire rope applications. Both the LCI-100 and the LCI-90 units are available in Dual Tension Display configurations.

As in our standard LCI units, heavy-duty 316 stainless steel front panels and sealed tactile pushbuttons perform flawlessly in extreme environments. A high-performance 320x240 electroluminescent display panel is protected by an epoxy-sealed polycarbonate window, where tension data is displayed as both a digital number and as a horizontal bar graph.

Five pushbuttons located directly below the front display let the operator acknowledge alarms and manipulate the unit's calibration and configuration menus. The LCI Dual Tension Displays can be user configured to accept inputs from two individual tension sensors, display the parameters in different units and resolutions, enable up to six channels of tension alarms (3 per tension input), and select serial communication options.

Monitor line tension (both cable and chain) in dual winch/line systems through a single display unit. Ideal for equipment deployment, fixed-place mooring, barge positioning, drawbridge controls, and wherever accurate and reliable line control is required.

- Full programmability via English language menus.
- Six alarms, independently linked to any high/low setpoint parameters.
- Configurable parameter position, scale, and units.
- Four modes of analog sensor calibration.
- Network configurable.
- On screen calibration, diagnostics, and configuration security.
- Panel cutout (LCI-100) (9.25" x 7.0" cutout). Panel cutout (LCI-90) (7.15" x 5.25" cutout).
- Watertight enclosure with bracket mount available.
- UL Listed Device.

Line Controls - Dual Tension Displays - WinchDAC

LCI-100 Dual Tension Display

Operator Interface Features

- Full programmability via English language menus
- Six alarms, independently linked to any parameter
- Configurable parameter position, scale, and units
- Four modes of analog sensor calibration
- Network configurable
- On-screen diagnostics
- Configuration security
- Optional PC data logging interface

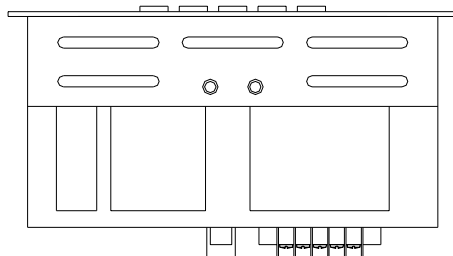
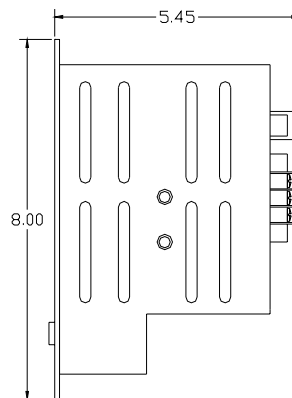
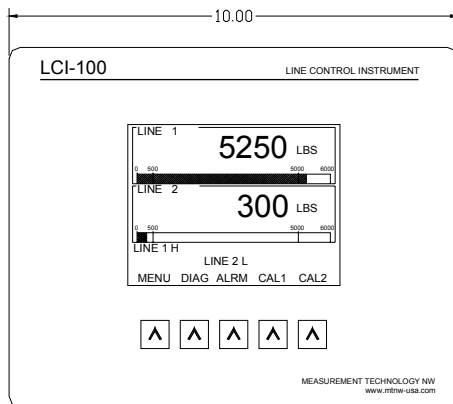
General Specifications

| | |
|-----------------------|--|
| Display | 320x240 graphic, EL Readable in all conditions |
| Enclosure Size | H 8.0" x W 10.0" x D 5.5" |
| Operating Temperature | -40°C to 75°C Standard |
| Environmental | NEMA 4X front panel Watertight enclosure/bracket* |
| Power | 16 W @ 85-265 VAC (Std.) 0.6 Amp @ 18-36 VDC* |

Instrument Specifications

| | |
|----------------------|---|
| Analog Input | Up to 6 channels 4-20 mA, 0-5 VDC, strain gauge* 0.01% full scale accuracy 1500 VDC Isolation* |
| Sensor Excitation | Regulated 12 and 5 VDC, 0.5 A Regulated 24 VDC, 0.5 A* |
| Analog Output | Up to 4 channels* 4-20 mA, 0-5 and 0-10 VDC |
| Count Input | Counter 1, Counter 2* Quadrature encoder, 5, 12-24 VDC Inductive proximity, Hall Effect 10 kHz Bandwidth |
| Digital I/O | Up to 8 channels Opto modules DC output and dry contact |
| Serial Communication | RS-485*, isolated, 2 wire RS-232*, 2 channels, non-isolated |
| Alarms | 3 parameters High and low setpoints |

*Option



NOTES:

- 1: NEMA 1 enclosure shown
- 2: Unit fits into 9.25" x 7.00" cutout
- 3: All units in inches
- 4: Panel mount configuration shown

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