LCI-100
Line Control Display

The LCI-100 is a full-featured instrument that offers exceptional performance and readability in demanding environments from -40°C to +75°C. Its multi-channel capabilities allow for future expansion, and its bright 320x240 electroluminescent display permits wide-angle readability of tension, payout, and line speed status regardless of the lighting conditions.

The heavy-duty 316 stainless steel front panel and sealed tactile pushbuttons are designed to perform flawlessly in both wet and corrosive environments. Eight I/O channels and serial networking capability provide flexibility in line monitoring, weighing, or SCADA applications, and the LCI-100 can be linked with up to 32 remote LCI-90R displays to create a shipwide monitoring network.

The UL listed LCI-100 also features an easy-to-follow English language menu for field calibration changes, I/O channel configuration, alarm and network settings, and screen layout – all accessed through the pushbutton keypad.

Control and monitor line speed, payout, and tension (both cable and chain) in single/multi winch systems used 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.**

- **Enclosure size: H8.0" x W10.0" x D5.5" (9.25" x 7.0" cutout).**

- **Watertight enclosure with bracket mount available.**

- **UL Listed Device.**

Line Controls - Dual Tension Displays - WinchDAC

LCI-100 Line Control Instrument

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
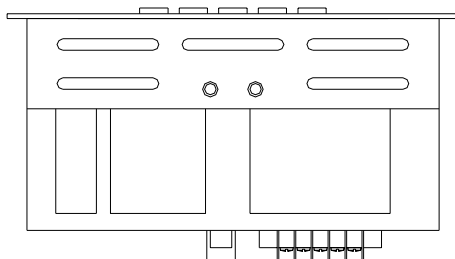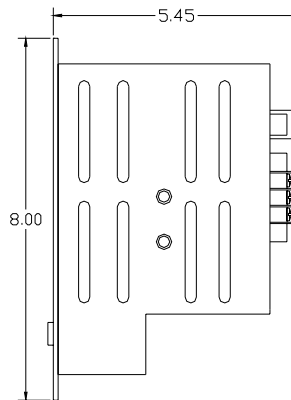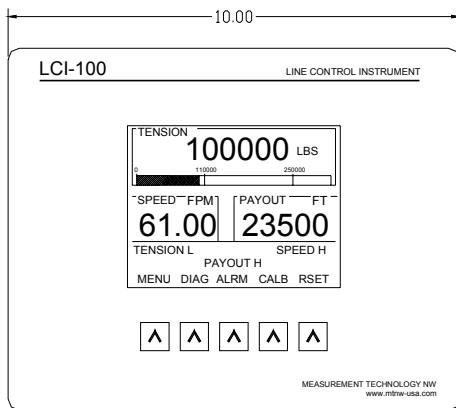- Configuration security
- Optional PC data logging interface

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	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	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	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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