

# Dual-Winch Display

Monitor 2 winches  
simultaneously



The LCI "Dual-Winch" display was developed to monitor line tension, payout, and speed for two winches simultaneously - perfect for applications such as double-drum winches, waterfall winches, or two winches operating in close proximity. The compact LCI-90 and powerful LCI-100 displays are both available in the "Dual-Winch" configuration.

Five fully-sealed pushbuttons within a heavy-duty 316 stainless steel front panel access an easy-to-follow English language menu for field calibration changes, I/O channel configuration, alarm settings, network settings, and screen layout – all intuitive and right at your fingertips.

Line parameters are displayed on a bright 320x240 electroluminescent screen for superb readability in all light conditions. Multiple I/O channels and serial networking capability provide flexibility in line monitoring, weighing, data logging or SCADA applications, and the LCI "Dual-Winch" can link with LCI-90R displays or PC's (with WinchDAC) for remote viewing and data logging.

**Monitor tension, payout, and speed on double-drum winches or two separate winches, RLT's, or windlasses using a single LCI display. View all parameters simultaneously, or toggle between active winch lines, for the performance and value of two displays, in one!**

- Full programmability via English language menus.
- Six alarms, independently linked to any high/low setpoint parameters.
- View all six line parameters simultaneously
- Two 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" x5.25" cutout).
- Watertight enclosure with bracket mount available.
- UL and CE Rated.

**LCI Displays and Software for superior line control**

# LCI "Dual Winch" Display

## Operator Interface Features

- Full programmability via English language menus
- Independent calibration for each tension channel
- Six alarms, independently linked to any parameter
- Two modes of analog sensor calibration
- Network configurable
- On-screen diagnostics for all channels
- Configuration security
- Optional PC data logging interface

## General Specifications

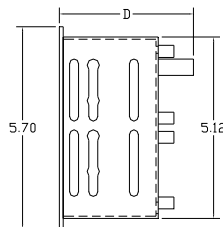
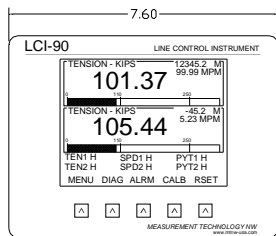
Display	320x240 graphic, EL Readable in all conditions
Enclosure Size	H 5.7" x W 7.6" x D 5.0" (LCI-90) H 8.0" x W 10.0" x D 5.5" (LCI-100)
Operating Temperature	-40°C to 75°C standard
Environmental	Sealed, waterproof front panel Watertight console* Watertight rear enclosure*

\*Option

## Instrument Specifications

Power	18-36 VDC (LCI-90 <u>or</u> LCI-100) 85-250 VAC (LCI-100 only) Isolated, surge protected
Analog Input	4 (LCI-90) or 8 (LCI-100) 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 24 VDC unregulated, 0.2 A total
Analog Output	2 (LCI-90) or 4 (LCI-100) channels 4-20 mA, 0-10 VDC
Count Input (2)	Quadrature encoder, 5, 12-24 VDC Inductive proximity, Hall Effect 10 kHz Bandwidth
Digital I/O	4 (LCI-90) or 8 (LCI-100) channels Opto modules DC output and dry contact
Serial Communication	RS-485, isolated, 2 wire RS-232, 1 channel, non-isolated
Alarms	For any parameter High and low setpoints

## LCI-90

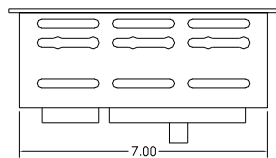


### LCI-90

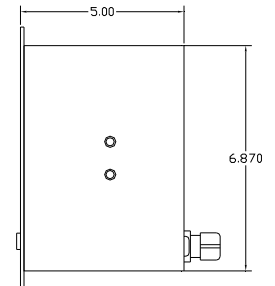
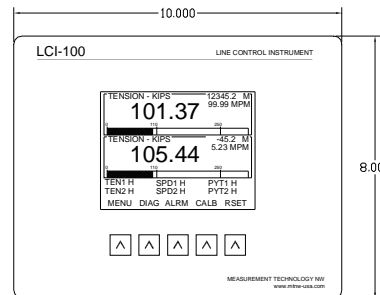
Depth measurement "D" varies from 3.78" to 4.73" depending on I/O configuration

LCI-90 unit fits into 7.15" x 5.25" cutout

LCI-90 shown with standard NEMA 1 rear enclosure (both the LCI-90 and LCI-100 models are supplied in this standard panel mount configuration)



## LCI-100

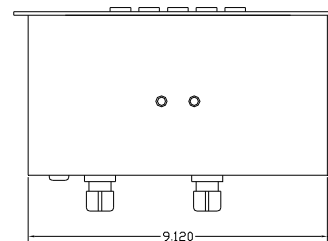


### LCI-100

Depth measurement with standard panel mount NEMA 1 rear enclosure is 5.45"

LCI-100 unit fits into 9.25" x 7.00" cutout

LCI-100 shown with optional NEMA 4 stainless steel rear enclosure (enclosure available with gimbal bracket mount for both the LCI-100 and LCI-90 models)



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