

4/8 Tension Display

Monitor up to 8
lines of tension



The LCI "4/8 Tension" displays provide a high performance alternative to panel meters or costly PLC systems. The LCI "4/8 Tension" model can be used to monitor up to four lines (LCI-90) or eight lines (LCI-100) of tension in a variety of chain or wire rope applications.

The compact LCI-90 and powerful LCI-100 displays both feature 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.

Real-time tension readings are displayed on a bright 320x240 electroluminescent screen for superb readability in all light conditions. Four I/O channels and serial networking capability provide flexibility in line monitoring, weighing, data logging or SCADA applications, and the LCI "4/8 Tension" model can link with LCI-90R displays or PC's (with WinchDAC) for remote viewing and data logging.

Efficiently and economically monitor up to eight lines of tension in wire rope or chain systems used for fixed-place mooring, equipment deployment, rig/barge positioning, drawbridge controls - anywhere 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.
- 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 "4/8 Tension" Display

Operator Interface Features

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

General Specifications

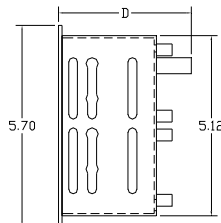
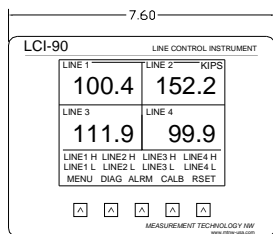
Display	320x240 graphic, EL Readable in all conditions
Enclosure Size	H 5.7" x W 7.6" x D 5.0" (LCI-90) H 8.0" x W 10.0" x D 5.5" (LCI-100)
Operating Temperature	-40°C to 75°C standard
Environmental	Sealed, waterproof front panel Watertight console* Watertight rear enclosure*

*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
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

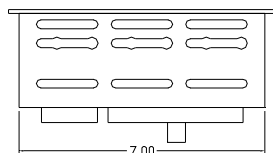


LCI-90

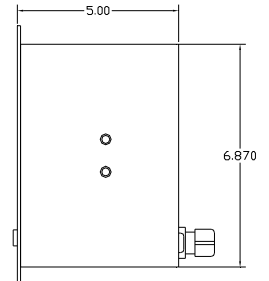
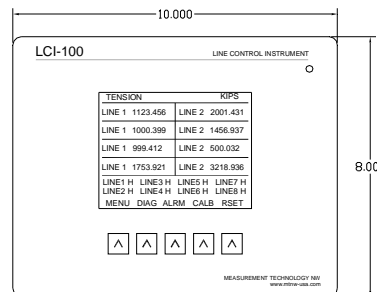
Depth measurement "D" varies from 3.78" to 4.73" depending on I/O configuration

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

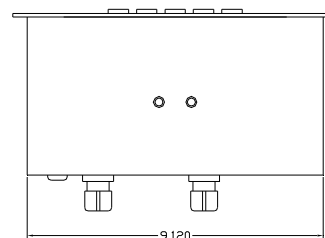


LCI-100

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)



4211- 24th Avenue West, Seattle, WA 98199

Phone/206-634-1308 Fax/206-634-1309

www.mtnw-usa.com