

# LCI-90 LCI-100 Drum Counter



Measurement Technology NW's LCI Drum Counter monitors are used to display line payout and speed for applications where payout sensors are mounted on the winch drum. Both our LCI-100 and LCI-90 units are available in Drum Counter configurations.

As in every LCI unit, heavy-duty 316 stainless steel front panels and five sealed tactile pushbuttons perform flawlessly in extreme environments. The bright electroluminescent display panel is protected by an epoxy-sealed polycarbonate window, where payout and speed data are displayed as both a digital number and a horizontal bar graph.

Once the cable and drum geometries are entered into memory, the LCI Drum Counter will automatically adjust for variations in drum diameter during spooling or unspooling operations, and will accurately measure winch payout and speed even as drum layers change. Other calibration and configuration menus are easily accessed by using the front panel pushbuttons.

**Control and monitor line payout and speed in winch systems used for fishing, equipment deployment, barge positioning, wellhole operations, and wherever accurate and reliable line control is required.**

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

**Line Control - Dual Tension - Drum Counter - WinchDAC**

# LCI "Drum Counter" Display

## Operator Interface Features

- Full programmability via English language menus
- Up to 6 alarms, independently linked to parameters
- Configurable parameter scale, and units
- Network configurable
- On-screen diagnostics, including current layer status
- Configuration security
- Optional PC data logging interface

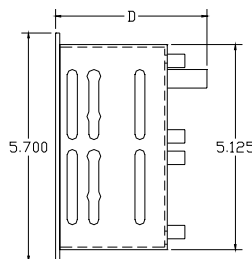
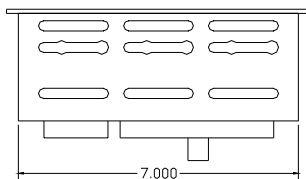
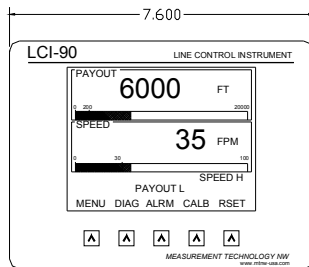
## General Specifications

Enclosure Size	H 8.0" x W 10.0" x D 5.5" (LCI-100) H 5.7" x W 7.6" x D 5.0" (LCI-90)
Operating Temperature	-40°C to 75°C Standard
Environmental	NEMA 4X front panel Watertight rear enclosure and bracket also available
Power	16 W @ 85-250 VAC (LCI-100) 3/8 Amp @ 18-36 VDC (LCI-90) Other input voltages available

## Instrument Specifications

Sensor Excitation	Regulated 12 and 5 VDC, 0.5 A Regulated 24 VDC, 0.5 A
Analog Input	Up to 6 channels 4-20 mA, 0-5 and 0-10 VDC
Count Input	Counter 1 Quadrature encoder, 5, 12, 24 VDC Inductive proximity, Hall Effect 10 kHz Bandwidth
Analog Output	Up to 4 channels* 4-20 mA, 0-10 VDC
Digital I/O	Up to 6 channels, Opto modules DC output & dry contact, NO or NC
Serial Communication	RS-485, isolated, 2 wire RS-232, 2 channels, non-isolated
Alarms	2 parameters High and low setpoints
Display	320x240 graphic, EL Readable in all conditions

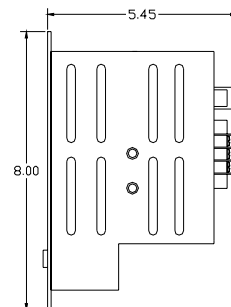
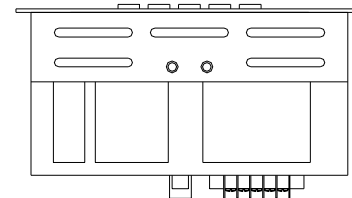
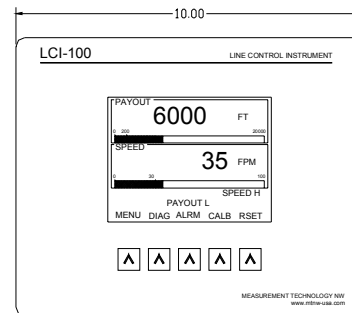
LCI-90



NOTES:

- 1: Depth varies with I/O configuration  
No isolated analog or digital I/O D = 3.78  
Only isolated digital I/O D = 4.68  
Isolated analog I/O D = 4.73
- 2: Unit fits into 7.15" x 5.25" cutout
- 3: All units in inches
- 4: Panel mount configuration shown

LCI-100



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