Rugged Programmable Controller

LCI-80

The LCI-80 is a rugged, compact addition to the Line Control Instrument product line. It is designed specifically for rotational applications to provide operators with a display of speed and payout line variables. A perfect balance of size and functionality, the LCI-80 reflects Measurement Technology NW's extensive marine, construction, and industrial machine instrumentation experience.

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

Payout and line speed are displayed on a crisp, bright 160x80 electroluminescent (EL) display for unmatched readability in all light conditions. Two I/O digital channels, Ethernet, and serial networking capability provide flexibility in line monitoring or SCADA applications, and the LCI-80 can be linked with up to 32 LCI-80 remote displays to create a remote monitoring network.

Monitor speed and payout in winch, crane, sheave, or any rotating shaft application. An ideal replacement for panel meters and analog gauges! Use the LCI-80 wherever accurate and reliable rotational monitoring is required.

- Full programmability via English language menus.
- Four alarms, each independently linked to any high/low setpoint parameters.
- Configurable parameter position, scale, and units.
- Menu-based speed response tuning.
- Ethernet (USB) interface, network configurable.
- On screen calibration, diagnostics, and configuration security.
- Enclosure size: H3.9" x W5.6" x D2.5"
- Optional watertight rear enclosure.
- Two output relay channels, SPDT.
- Save/recall multiple calibrations.

LCI-80 Rugged Programmable Controller
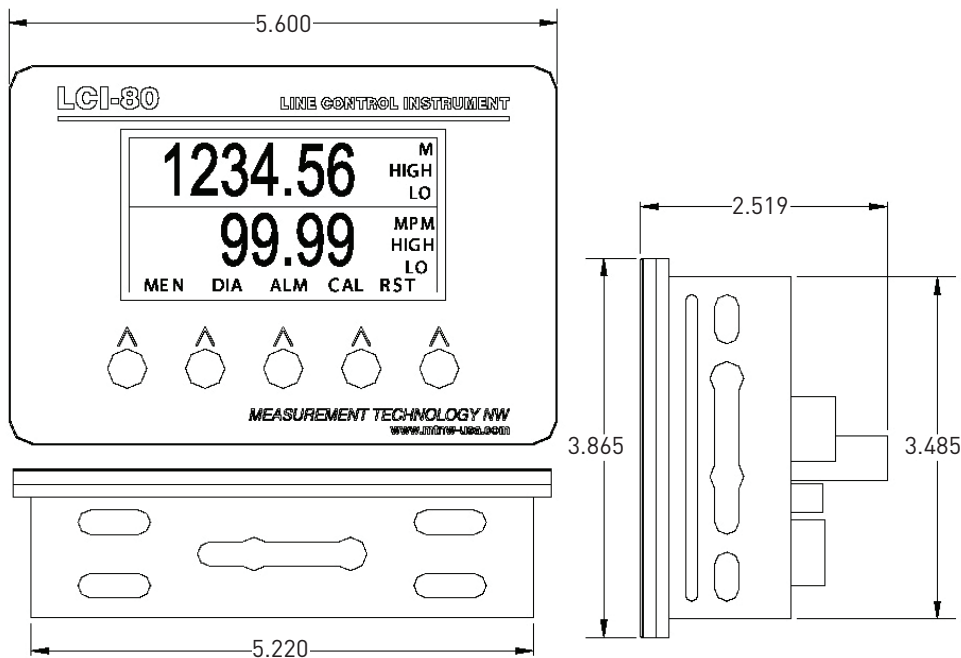
Operator Interface Features

- Full programmability via English language menus
- Four alarms - link to any line parameter
- Two output relay channels, SPDT
- Configurable parameter position, scale, and units
- Save setting function (multiple)
- Two digital inputs, functions are menu selectable
- Ethernet – TCP/UDP
- USB, RS-232, RS-485
- Network configurable
- On-screen diagnostics and configuration security

General Specifications

Display	160 x 80 graphic, EL
	Readable in all conditions
Enclosure Size	H 3.9" x W 5.6" x D 2.5"
Operating Temperature	-40°C to 70°C standard
Environmental	Weatherproof front panel
	Watertight rear enclosure
	option
Power	9-36VDC, 8W, fused/filtered
	Surge protected

Instrument Specifications

Sensor Excitation	Regulated 12 and 5VDC, 0.5 A
Count Input	Quadrature, 1x, 2x, 4x
	Inductive proximity (Hall Effect)
	Count direction
	Up/Down
	30 kHz Bandwidth
Digital Input	2 channels, 0-60VDC
	Trigger level 2.5VDC
Serial Communication	RS-485, isolated, 2 wire
	RS-232, USB, non-isolated
Output Relay	SPDT, NO-NC
Relay Contact Rating	125VAC 60VDC @ 1 Amp
Ethernet	10 base T, TCP/UDP


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5.600

LCI-80          LINE CONTROL INSTRUMENT

  1234.56   M
            HIGH
            LO
  99.99     MPM
            HIGH
            LO
MEN  DIA  ALM  CAL  RST

MEASUREMENT TECHNOLOGY NW
www.mtnw-usa.com

5.220

2.519

3.865     3.485

NOTES:
1: RECOMMENDED CUTOUT 5.27 X 3.55
2: ALL UNITS IN INCHES
3: PANEL MOUNT CONFIGURATION SHOWN
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